

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057437.D
 Acq On : 22 Aug 2019 17:01
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:39:58 PM

Quant Time: Aug 23 04:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	707015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	131602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	4608	1.278	ug/l	84
3) Chloromethane	2.05	50	8115	1.853	ug/l #	84
4) Vinyl Chloride	2.17	62	8996	2.029	ug/l	94
6) Chloroethane	2.69	64	5946	2.008	ug/l #	79
7) Trichlorofluoromethane	3.00	101	14463	2.111	ug/l	87
8) Diethyl Ether	3.39	74	6039	2.359	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.73	101	8971	2.291	ug/l	94
12) 1,1-Dichloroethene	3.71	96	7264	1.863	ug/l	94
14) Allyl chloride	4.30	41	12786m	2.111	ug/l	
15) Acrylonitrile	4.97	53	11465	6.584	ug/l #	59
16) Acetone	3.79	43	30866	19.533	ug/l #	86
17) Carbon Disulfide	4.02	76	15968	1.648	ug/l #	85
18) Methyl Acetate	4.30	43	14137	2.208	ug/l	95
19) Methyl tert-butyl Ether	5.03	73	20002m	1.741	ug/l	
20) Methylene Chloride	4.52	84	6931	1.631	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	5899	1.547	ug/l	81
22) Diisopropyl ether	5.93	45	20744	1.714	ug/l #	89
23) Vinyl Acetate	5.88	43	75752	7.860	ug/l	96
24) 1,1-Dichloroethane	5.82	63	11465m	1.600	ug/l	
25) 2-Butanone	6.83	43	18382	7.921	ug/l	99
26) 2,2-Dichloropropane	6.81	77	11095	1.900	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	6376	1.408	ug/l	91
28) Bromochloromethane	7.18	49	5229	1.533	ug/l #	70
29) Tetrahydrofuran	7.20	42	12273	8.253	ug/l #	72
30) Chloroform	7.36	83	14979	2.020	ug/l #	73
32) 1,1,1-Trichloroethane	7.55	97	10168	1.630	ug/l #	53
36) 1,1-Dichloropropene	7.78	75	8265	1.299	ug/l	84
37) Ethyl Acetate	6.93	43	7474	1.396	ug/l #	94
38) Carbon Tetrachloride	7.76	117	8755	1.337	ug/l	90
39) Methylcyclohexane	9.07	83	9040	1.211	ug/l	96
40) Benzene	8.03	78	25327	1.309	ug/l	98
41) Methacrylonitrile	7.16	41	3440	1.408	ug/l #	69
42) 1,2-Dichloroethane	8.12	62	10161	1.546	ug/l	82
43) Isopropyl Acetate	8.16	43	14883	1.293	ug/l #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057437.D
 Acq On : 22 Aug 2019 17:01
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:39:58 PM

Quant Time: Aug 23 04:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	5300	1.004	ug/l	80
45) 1,2-Dichloropropane	9.11	63	7101	1.405	ug/l #	84
46) Dibromomethane	9.20	93	5099	1.528	ug/l	89
47) Bromodichloromethane	9.39	83	9694	1.454	ug/l	95
48) Methyl methacrylate	9.19	41	7100	1.583	ug/l #	82
49) 1,4-Dioxane	9.20	88	1709	19.904	ug/l #	69
51) 4-Methyl-2-Pentanone	9.98	43	38458	6.921	ug/l	98
52) Toluene	10.15	92	12933	1.086	ug/l	88
53) t-1,3-Dichloropropene	10.38	75	9435	1.314	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	11193	1.418	ug/l	91
55) 1,1,2-Trichloroethane	10.57	97	6116m	1.307	ug/l	
56) Ethyl methacrylate	10.43	69	7504	1.082	ug/l #	79
57) 1,3-Dichloropropane	10.71	76	9721	1.228	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	6812	3.828	ug/l	99
59) 2-Hexanone	10.75	43	26168	6.629	ug/l	97
60) Dibromochloromethane	10.90	129	5767	1.110	ug/l	98
61) 1,2-Dibromoethane	11.00	107	5284	1.067	ug/l	98
64) Tetrachloroethene	10.62	164	4703	1.007	ug/l	91
65) Chlorobenzene	11.43	112	13314	1.181	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.51	131	5440	1.262	ug/l #	64
67) Ethyl Benzene	11.51	91	25580	1.270	ug/l	96
68) m/p-Xylenes	11.62	106	15285	2.085	ug/l	87
69) o-Xylene	11.94	106	7687	1.067	ug/l	97
70) Styrene	11.96	104	10726	0.933	ug/l #	86
71) Bromoform	12.13	173	3328	1.001	ug/l #	90
73) Isopropylbenzene	12.25	105	21377	1.656	ug/l	97
74) N-amyl acetate	12.07	43	8887	2.135	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	6535	1.732	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	3243m	1.002	ug/l	
77) Bromobenzene	12.53	156	4082	1.254	ug/l	88
78) n-propylbenzene	12.59	91	20590	1.584	ug/l	99
79) 2-Chlorotoluene	12.67	91	12005	1.446	ug/l	85
80) 1,3,5-Trimethylbenzene	12.73	105	15910	1.533	ug/l	98
82) 4-Chlorotoluene	12.77	91	11195	1.460	ug/l	94
83) tert-Butylbenzene	13.00	119	15221	1.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10973	1.138	ug/l	97
85) sec-Butylbenzene	13.17	105	15866	1.374	ug/l	99
86) p-Isopropyltoluene	13.29	119	11549	1.178	ug/l	92
87) 1,3-Dichlorobenzene	13.29	146	4989	1.099	ug/l #	83
88) 1,4-Dichlorobenzene	13.37	146	4940	1.138	ug/l #	53
89) n-Butylbenzene	13.62	91	9003	1.249	ug/l	98
90) Hexachloroethane	13.88	117	3342	1.633	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	4389	1.034	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.28	75	966m	1.943	ug/l	
93) 1,2,4-Trichlorobenzene	14.91	180	1723	1.217	ug/l	86
94) Hexachlorobutadiene	15.01	225	1721	0.919	ug/l	96
95) Naphthalene	15.13	128	5846	1.773	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.30	180	2120	1.558	ug/l #	57

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
Data File : VN057437.D
Acq On : 22 Aug 2019 17:01
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

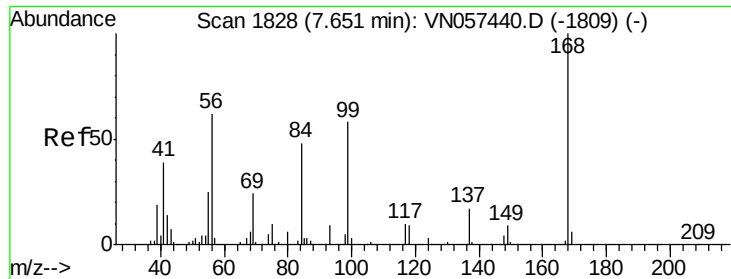
Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM

Quant Time: Aug 23 04:30:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 04:20:18 2019
Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 391432

Ion Ratio Lower Upper

168 100

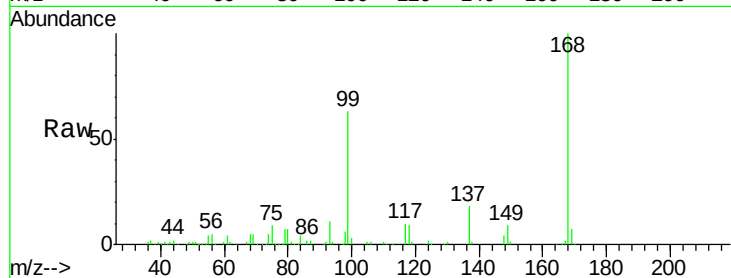
99 63.2 50.6 76.0

Manual Integrations

APPROVED

MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057440.D (-1809) (-)

7.65

150000

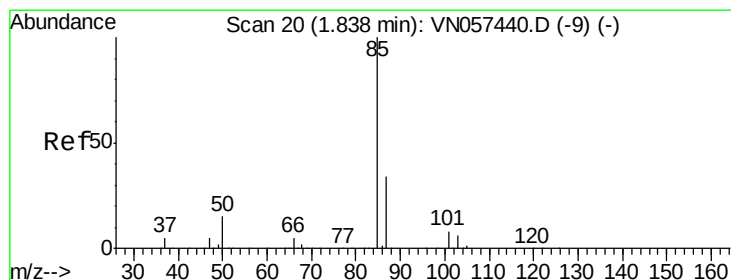
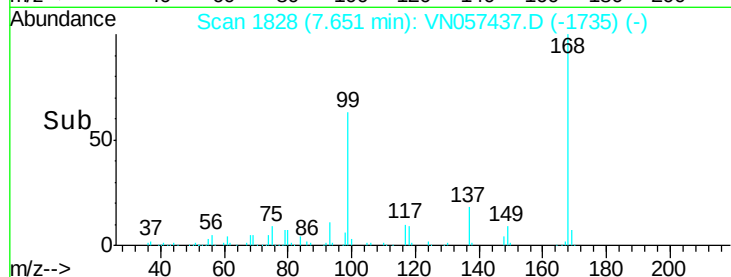
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.278 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057437.D

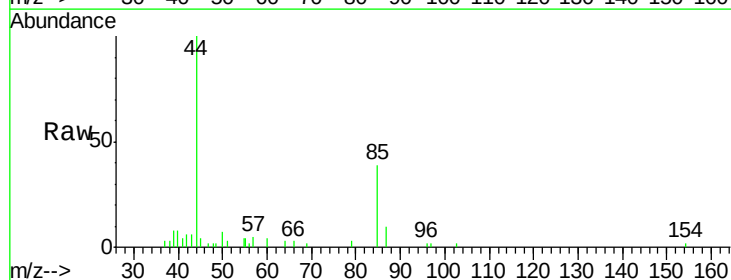
Acq: 22 Aug 2019 17:01

Tgt Ion: 85 Resp: 4608

Ion Ratio Lower Upper

85 100

87 24.7 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057440.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VN057440.D (-9) (-)

1.84

3000

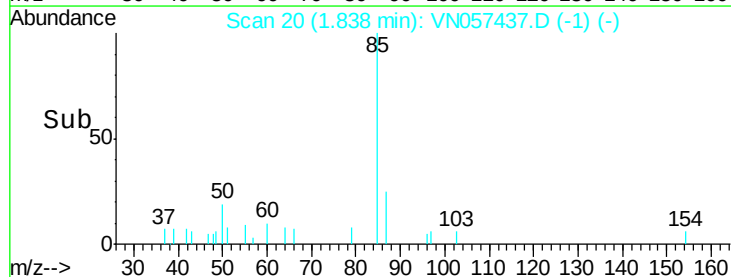
2000

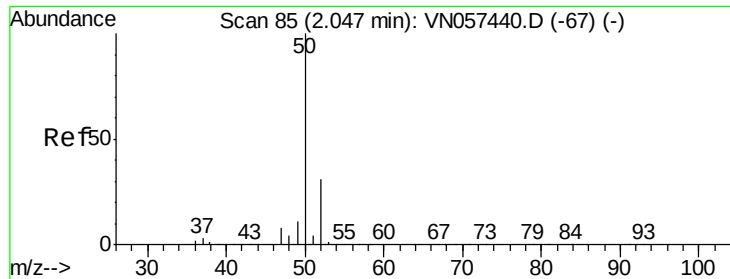
1000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.853 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 8115

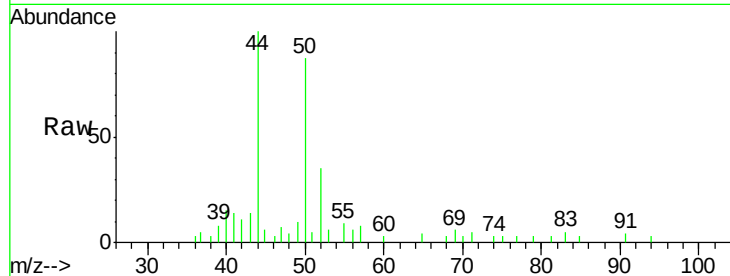
Ion Ratio Lower Upper

50 100

52 40.0 25.1 37.7#

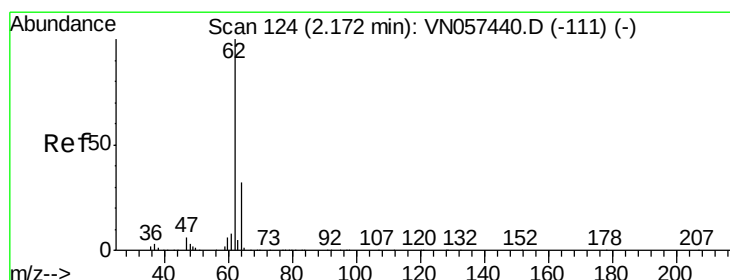
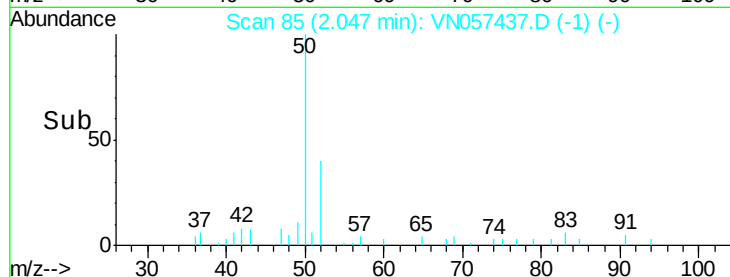
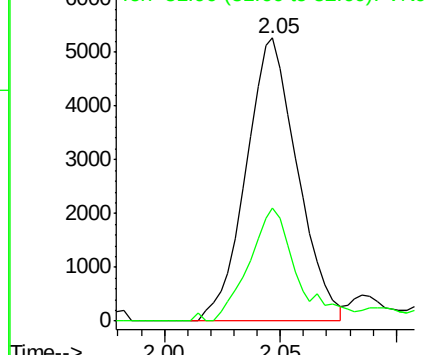
Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



Abundance Ion 49.90 (49.60 to 50.60): VN057440.D (-67) (-)

Ion 51.90 (51.60 to 52.60): VN057440.D (-67) (-)



#4

Vinyl Chloride

Concen: 2.029 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057437.D

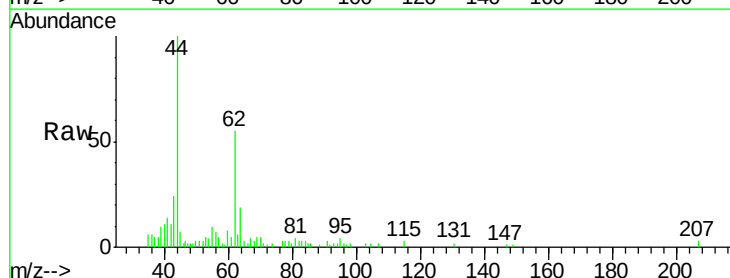
Acq: 22 Aug 2019 17:01

Tgt Ion: 62 Resp: 8996

Ion Ratio Lower Upper

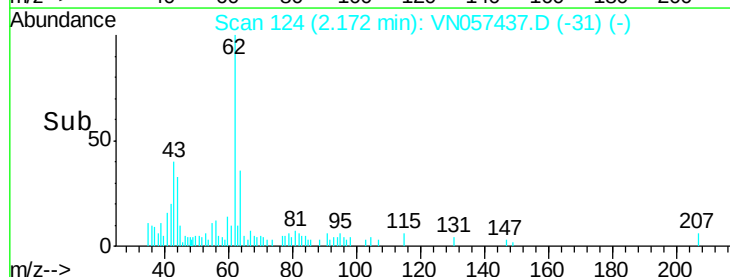
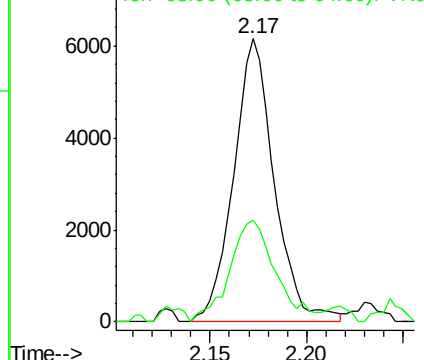
62 100

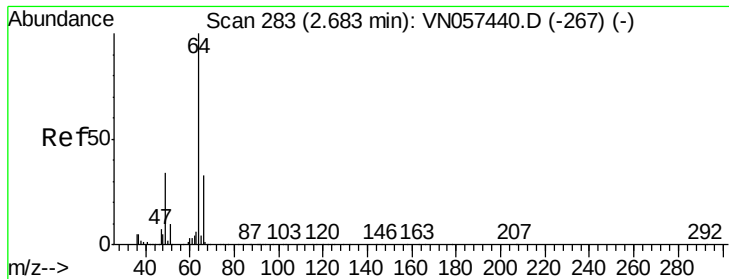
64 35.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN057440.D (-111) (-)

Ion 63.90 (63.60 to 64.60): VN057440.D (-111) (-)





#6

Chloroethane

Concen: 2.008 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 5946

Ion Ratio Lower Upper

64 100

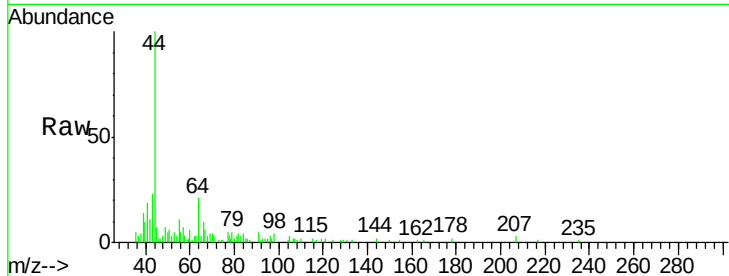
66 45.6 26.8 40.2#

Manual Integrations

APPROVED

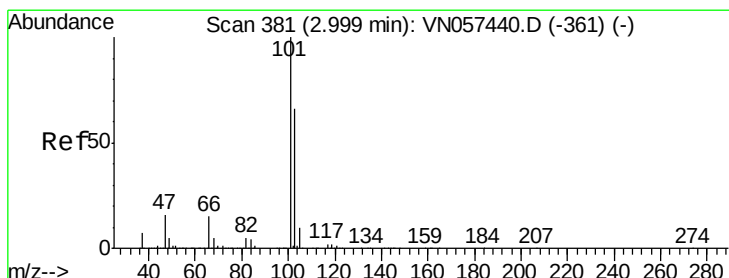
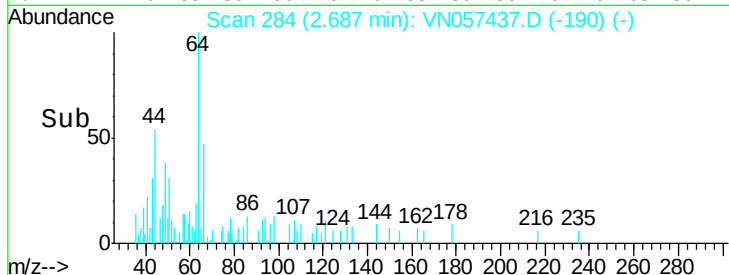
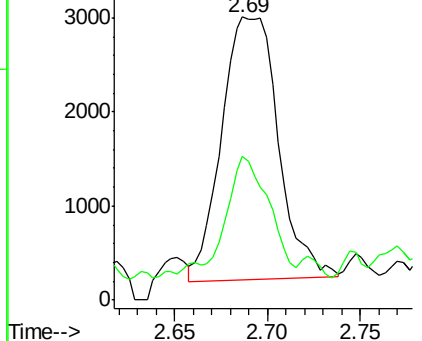
MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 63.90 (63.60 to 64.60): VN057440.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN057440.D (-267) (-)



#7

Trichlorofluoromethane

Concen: 2.111 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.01 min

Lab File: VN057437.D

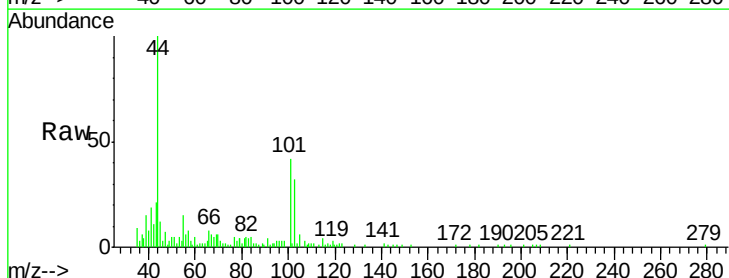
Acq: 22 Aug 2019 17:01

Tgt Ion: 101 Resp: 14463

Ion Ratio Lower Upper

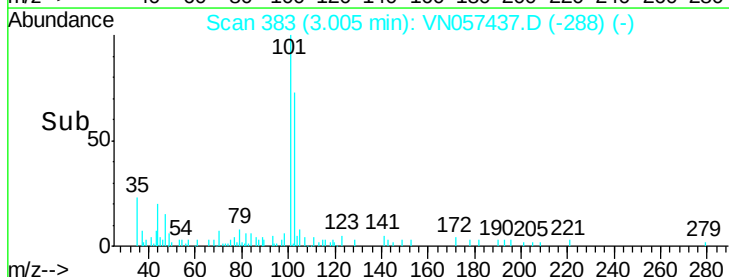
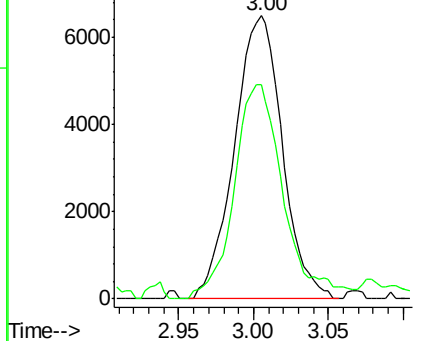
101 100

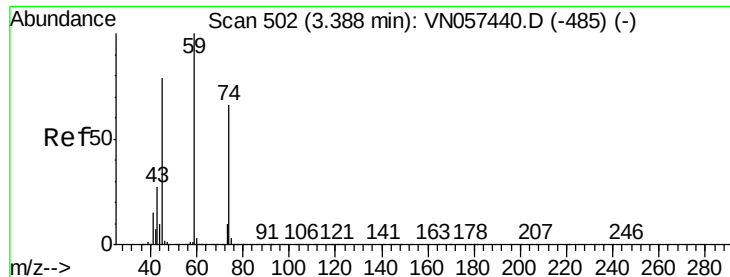
103 75.6 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): VN057440.D (-361) (-)

Ion 102.80 (102.50 to 103.50): VN057440.D (-361) (-)





#8

Diethyl Ether

Concen: 2.359 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 6039

Ion Ratio Lower Upper

74 100

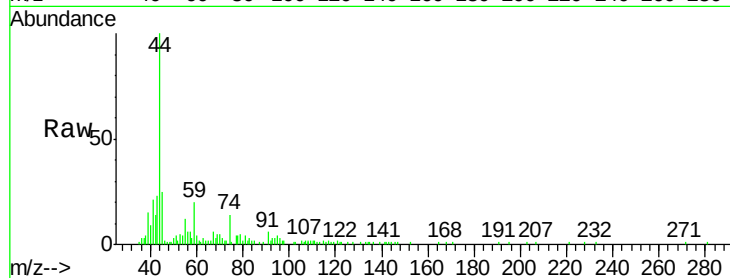
45 134.0 57.9 173.6

Manual Integrations

APPROVED

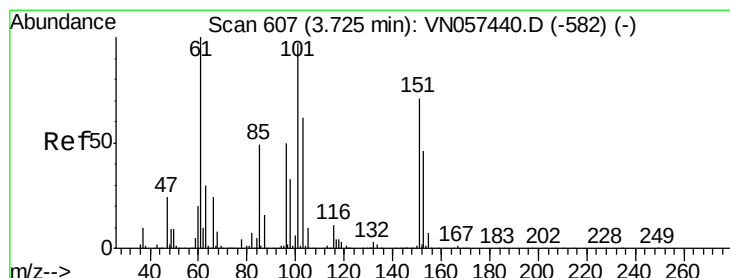
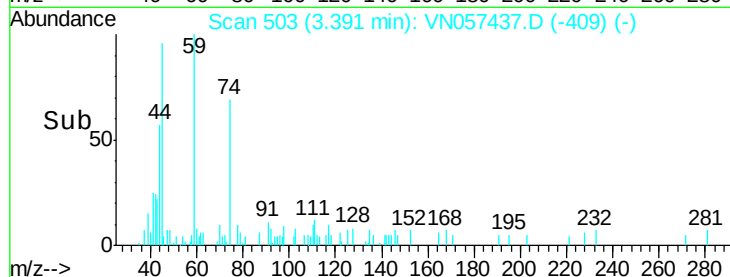
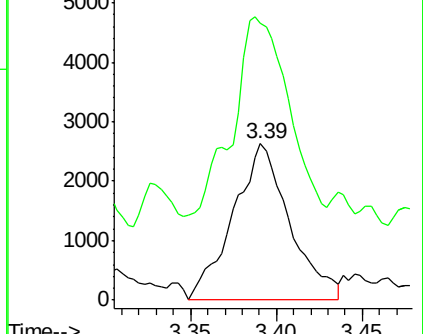
MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.291 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

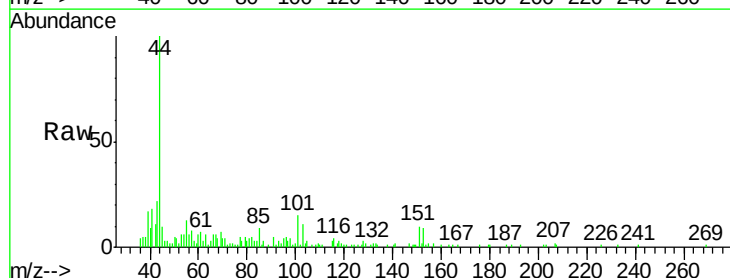
Tgt Ion: 101 Resp: 8971

Ion Ratio Lower Upper

101 100

85 47.4 40.0 60.0

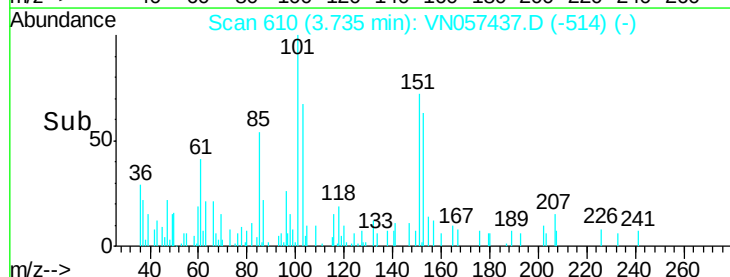
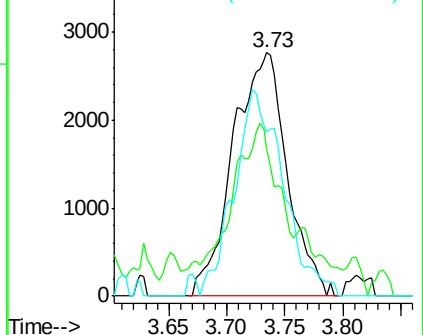
151 76.9 57.0 85.6

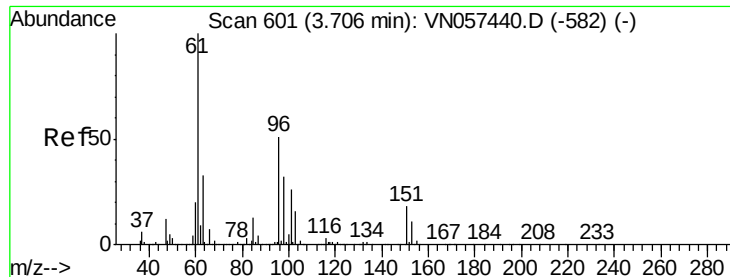


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 1.863 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

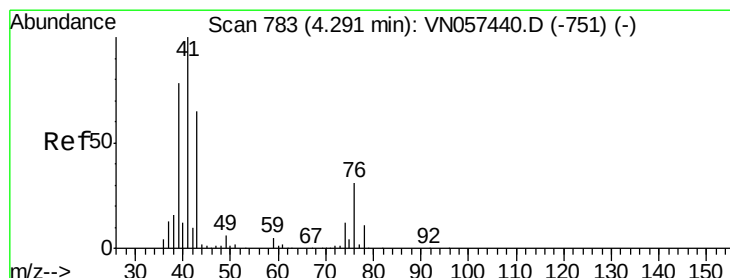
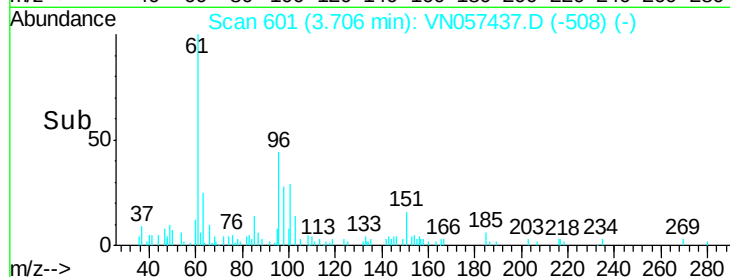
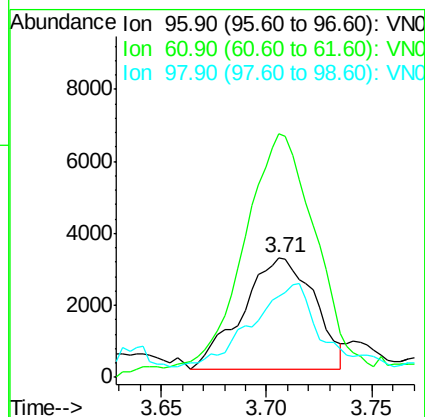
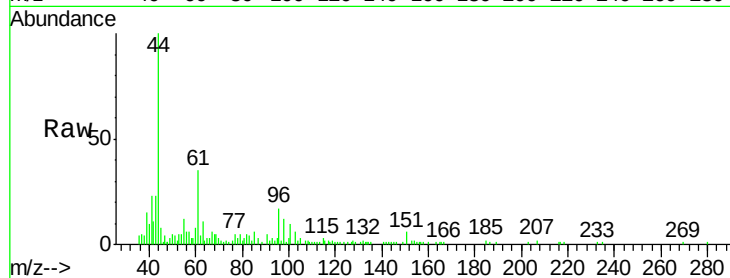
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	7264
Ion	Ratio	Lower	Upper
96	100		
61	204.2	155.3	232.9
98	59.7	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#14

Allyl chloride

Concen: 2.111 ug/l m

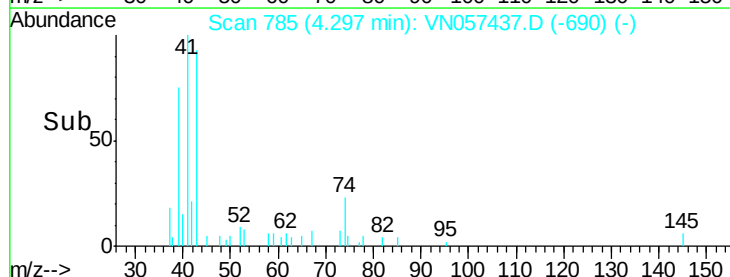
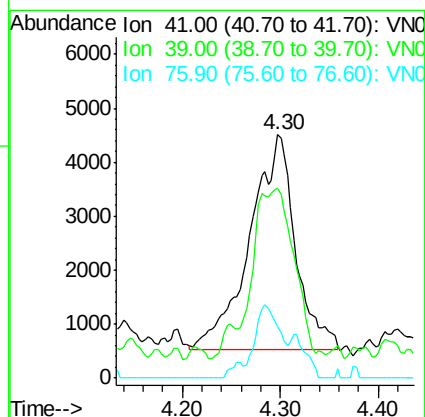
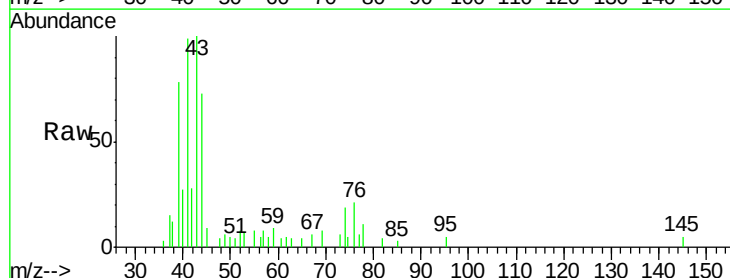
RT: 4.30 min Scan# 785

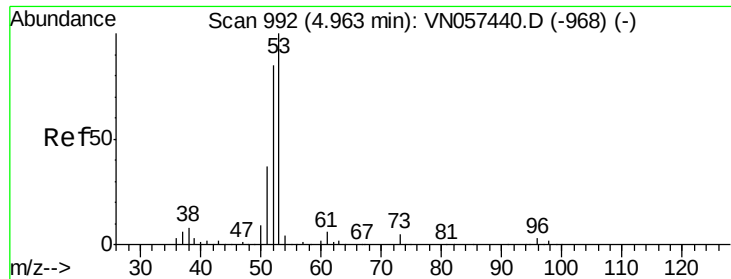
Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	41	Resp:	12786
Ion	Ratio	Lower	Upper
41	100		
39	0.0	57.4	86.2#
76	18.6	22.9	34.3#





#15

Acrylonitrile

Concen: 6.584 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

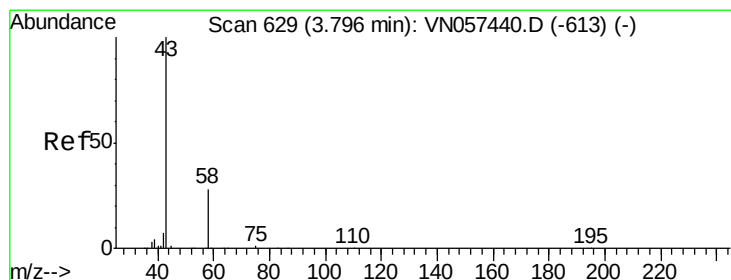
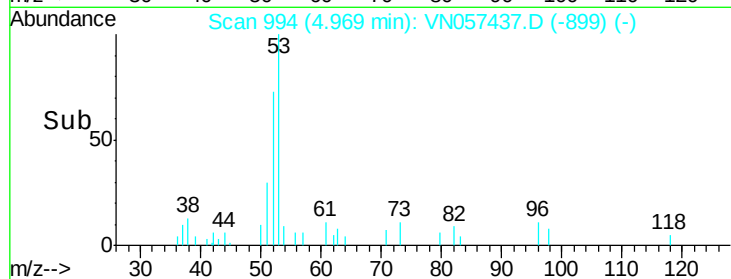
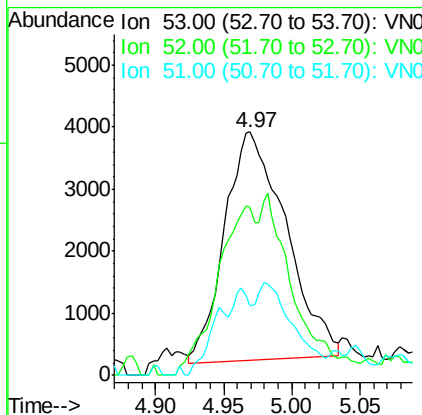
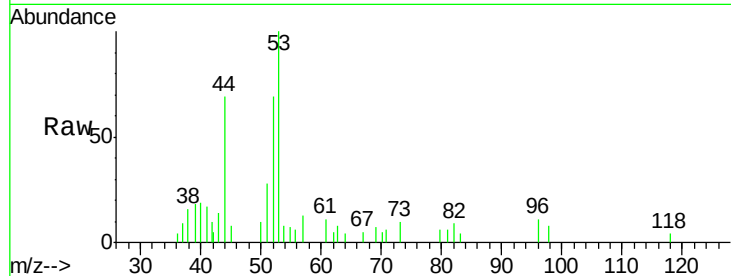
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	11465
Ion Ratio	Lower	Upper	
53	100		
52	49.1	67.0	100.6#
51	9.9	29.9	44.9#

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#16

Acetone

Concen: 19.533 ug/l

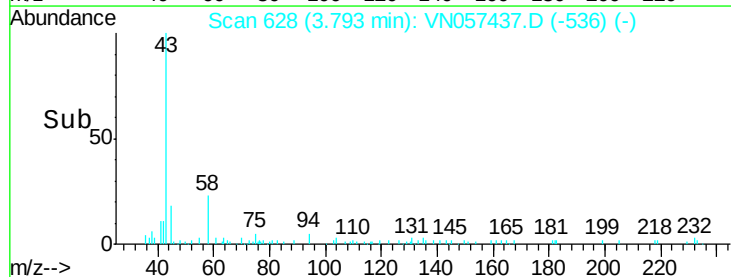
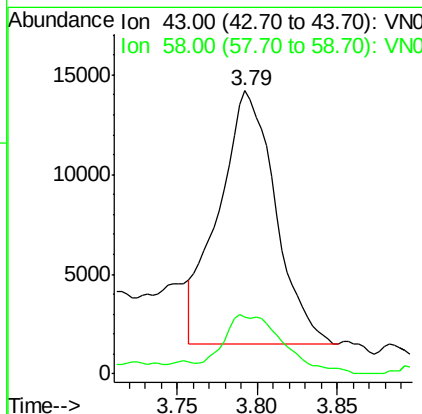
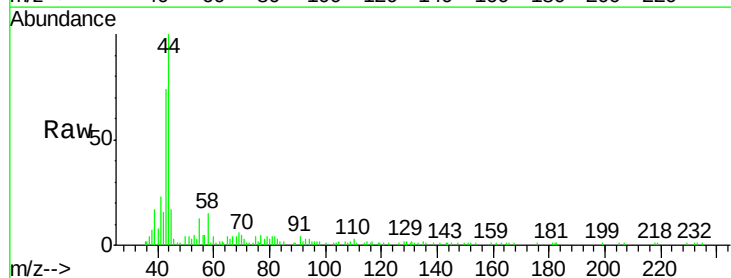
RT: 3.79 min Scan# 628

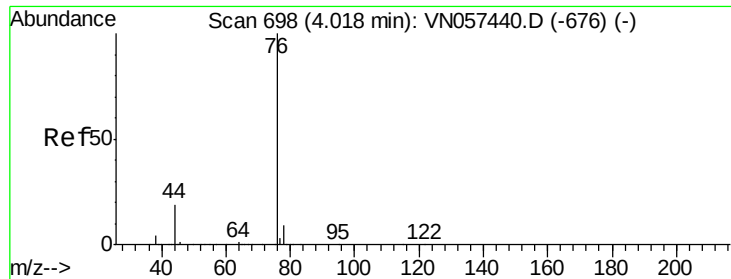
Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	43	Resp:	30866
Ion Ratio	Lower	Upper	
43	100		
58	20.4	22.1	33.1#





#17

Carbon Disulfide

Concen: 1.648 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 15968

Ion Ratio Lower Upper

76 100

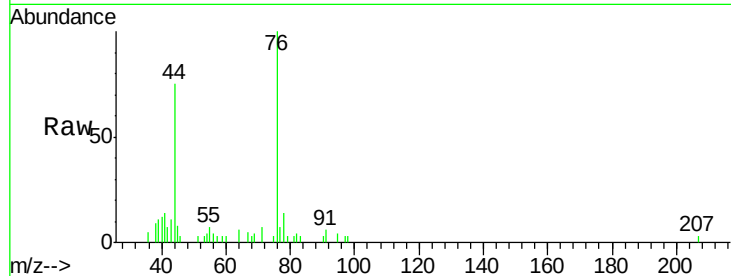
78 14.2 7.1 10.7#

Manual Integrations

APPROVED

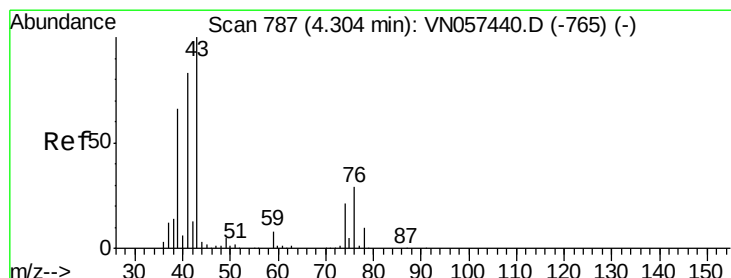
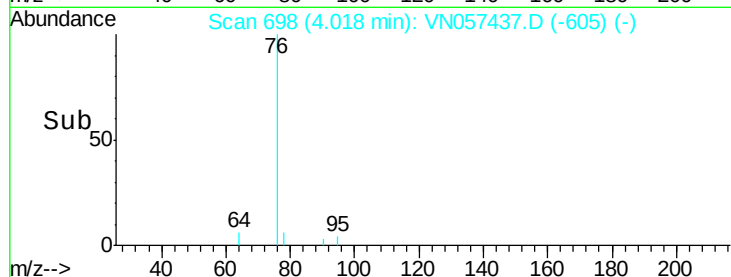
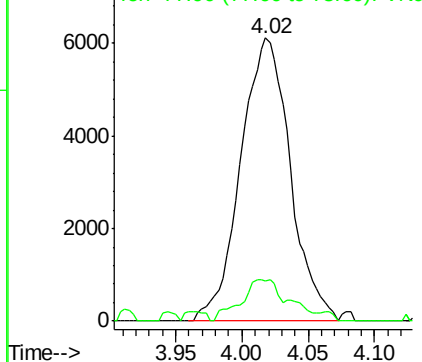
MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 2.208 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN057437.D

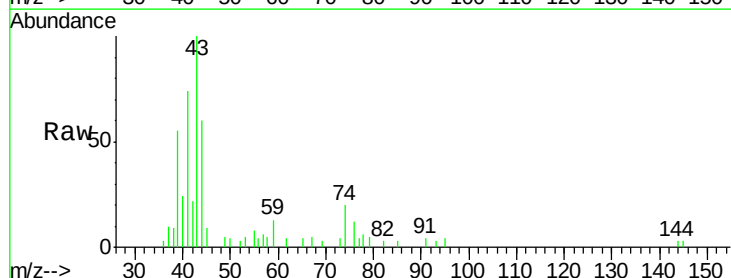
Acq: 22 Aug 2019 17:01

Tgt Ion: 43 Resp: 14137

Ion Ratio Lower Upper

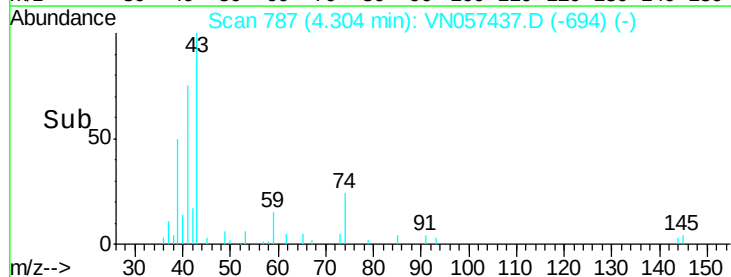
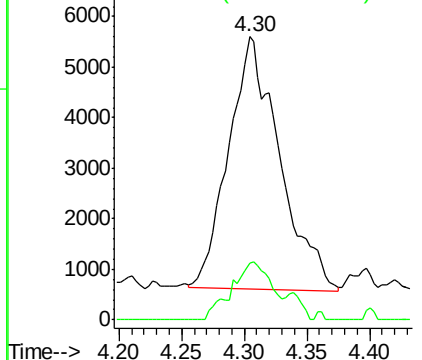
43 100

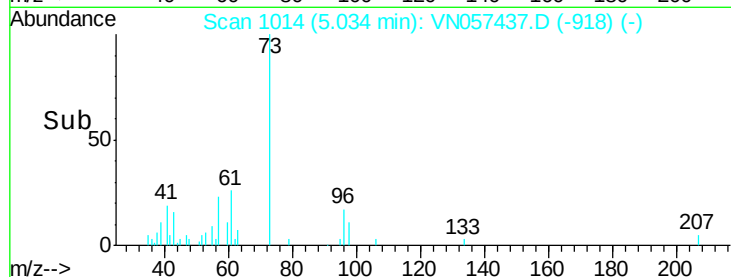
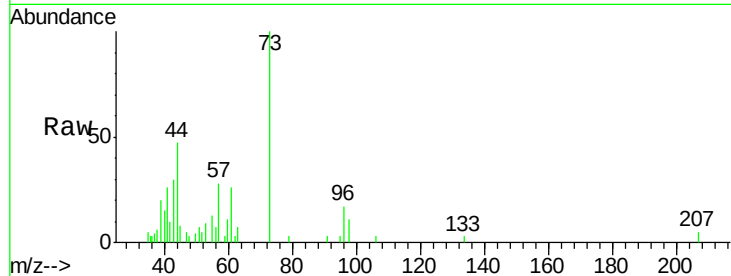
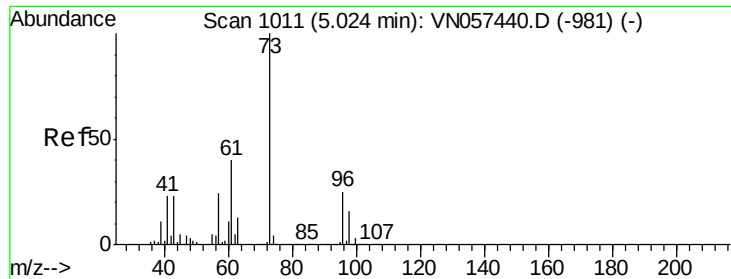
74 17.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





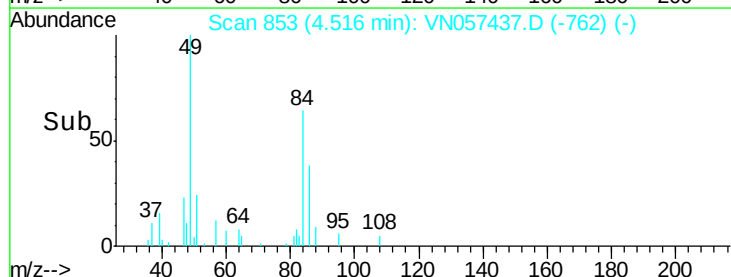
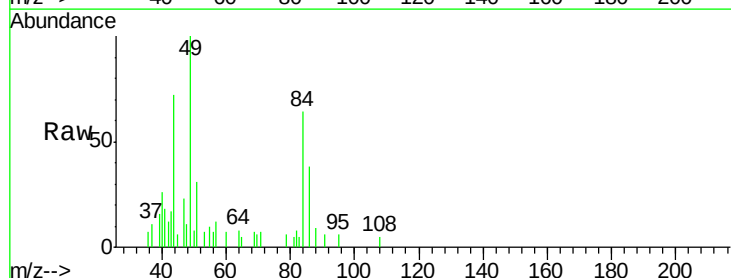
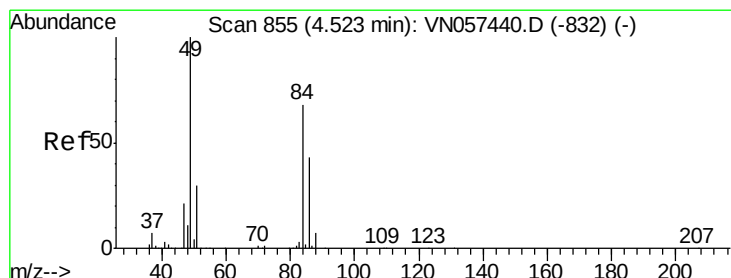
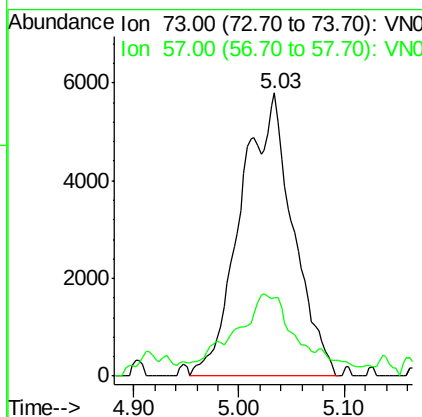
#19
Methyl tert-butyl Ether
Concen: 1.741 ug/l m
RT: 5.03 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tot Ion: 73 Resp: 20002
Ion Ratio Lower Upper
73 100
57 27.9 19.1 28.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

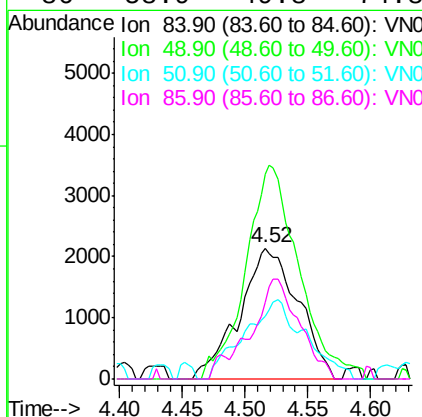
Manual Integrations
APPROVED

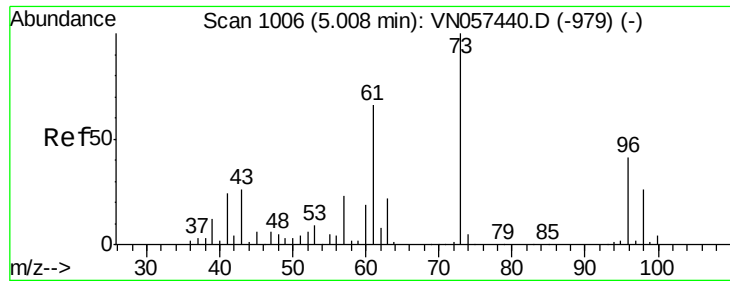
MMDadoda
8/23/2019 2:39:58 PM



#20
Methylene Chloride
Concen: 1.631 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion: 84 Resp: 6931
Ion Ratio Lower Upper
84 100
49 156.9 117.0 175.4
51 38.4 35.5 53.3
86 58.9 49.8 74.8





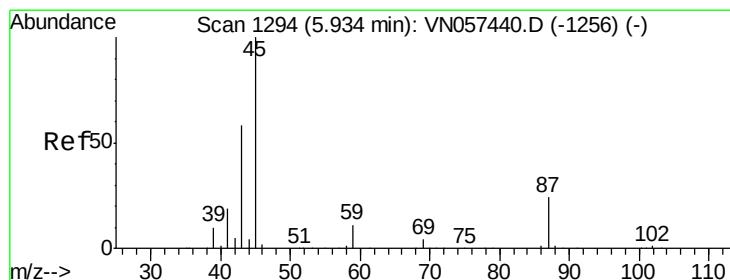
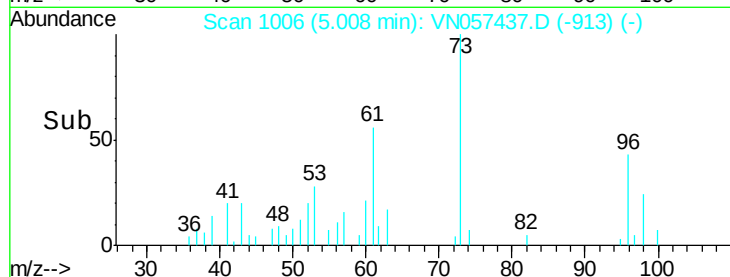
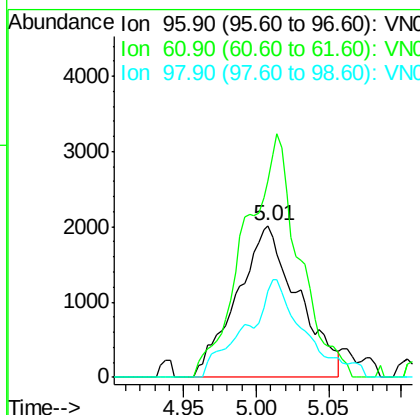
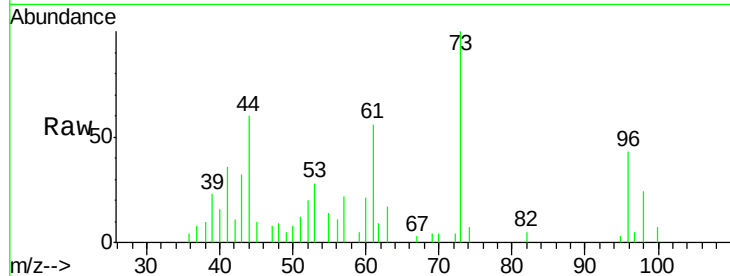
#21
trans-1,2-Dichloroethene
Concen: 1.547 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.7	127.9	191.9
98	57.1	50.6	76.0

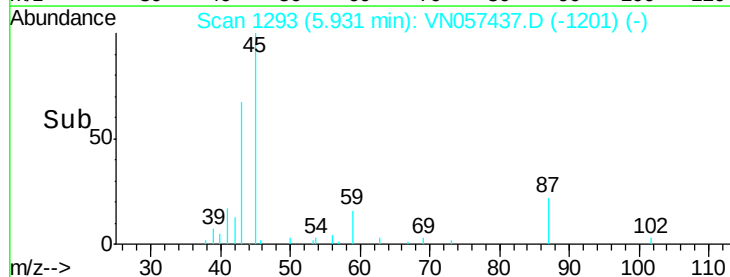
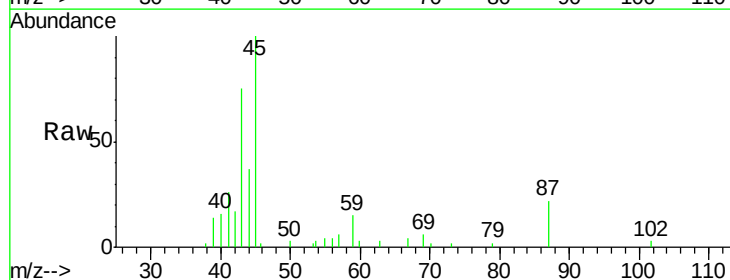
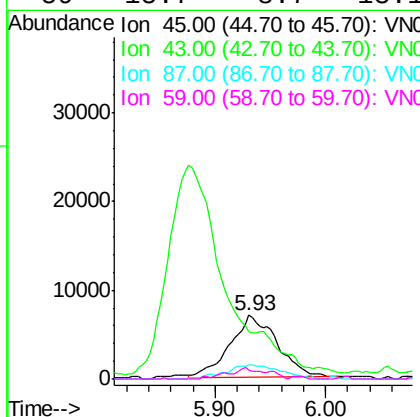
Manual Integrations
APPROVED

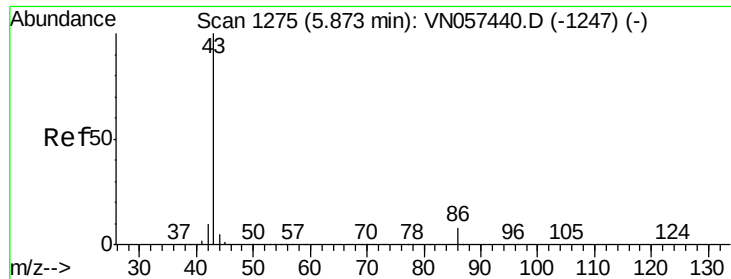
MMDadoda
8/23/2019 2:39:58 PM



#22
Diisopropyl ether
Concen: 1.714 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	46.9	70.3
87	20.4	19.3	28.9
59	15.7	8.7	13.1#





#23

Vinyl Acetate

Concen: 7.860 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 75752

Ion Ratio Lower Upper

43 100

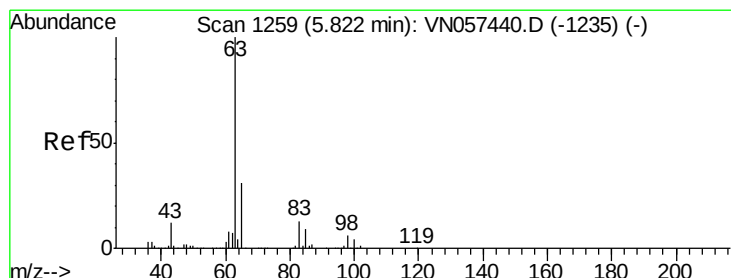
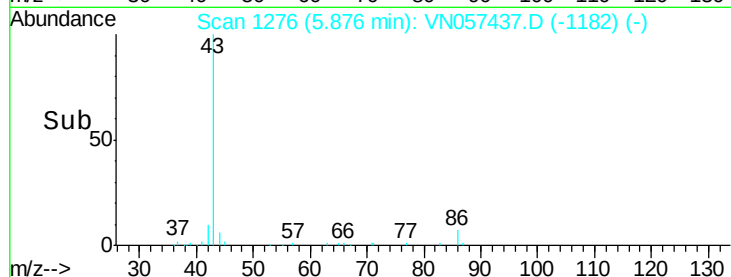
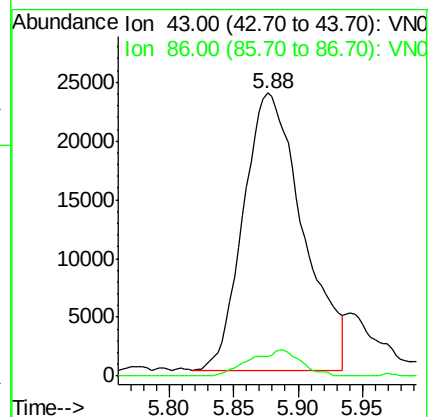
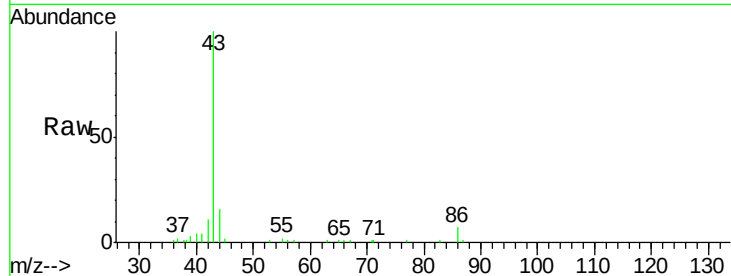
86 7.1 6.7 10.1

Manual Integrations

APPROVED

MMDadoda

8/23/2019 2:39:58 PM



#24

1,1-Dichloroethane

Concen: 1.600 ug/l m

RT: 5.82 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

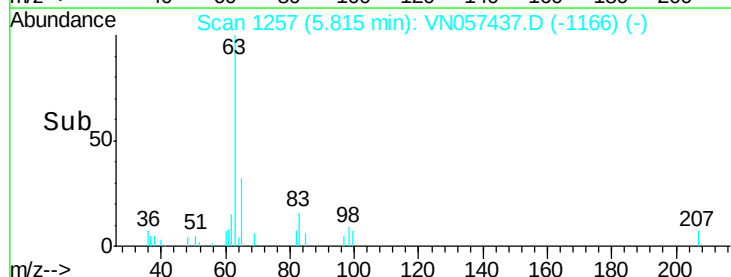
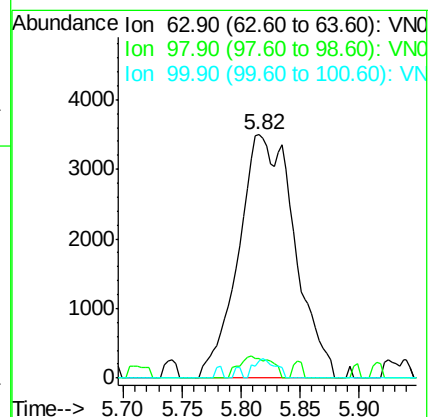
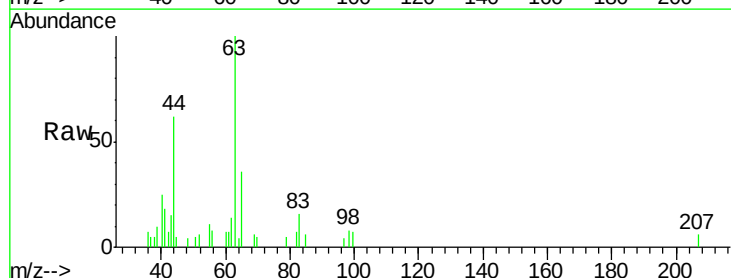
Tgt Ion: 63 Resp: 11465

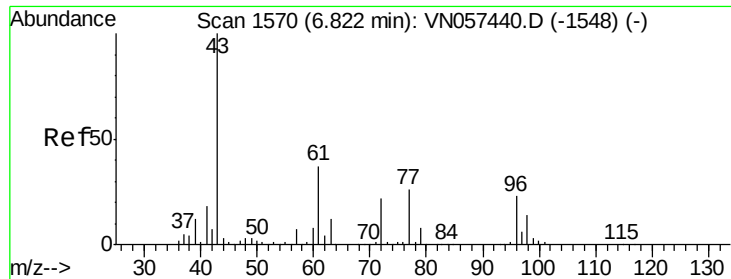
Ion Ratio Lower Upper

63 100

98 8.2 2.9 8.6

100 6.8 2.1 6.3#





#25

2-Butanone

Concen: 7.921 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 18382

Ion Ratio Lower Upper

43 100

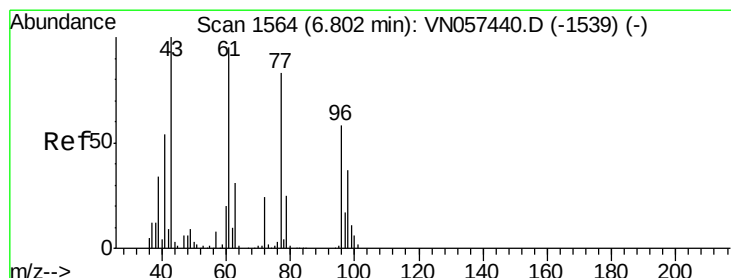
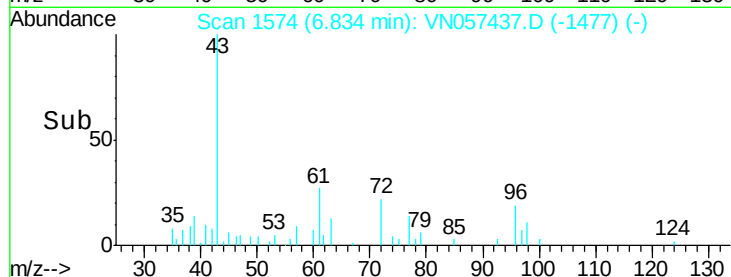
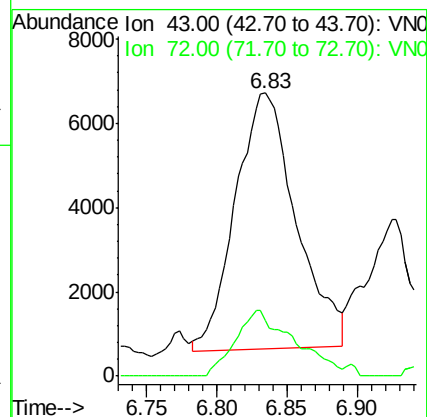
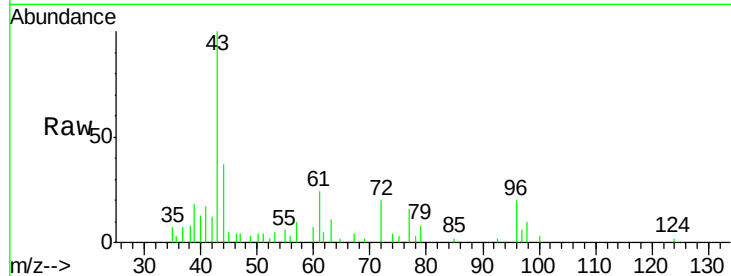
72 22.6 17.8 26.8

Manual Integrations

APPROVED

MMDadoda

8/23/2019 2:39:58 PM



#26

2,2-Dichloropropane

Concen: 1.900 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057437.D

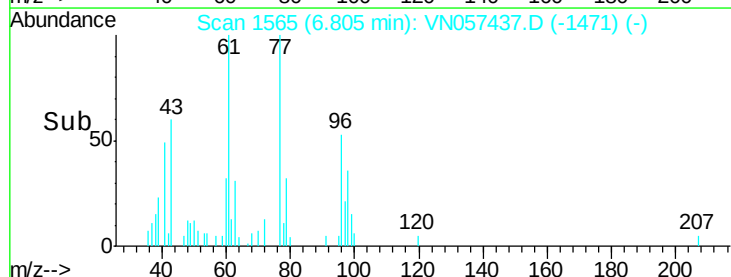
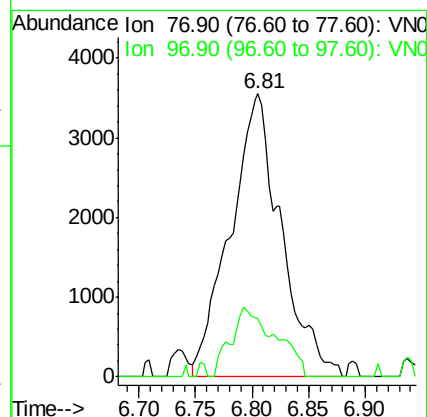
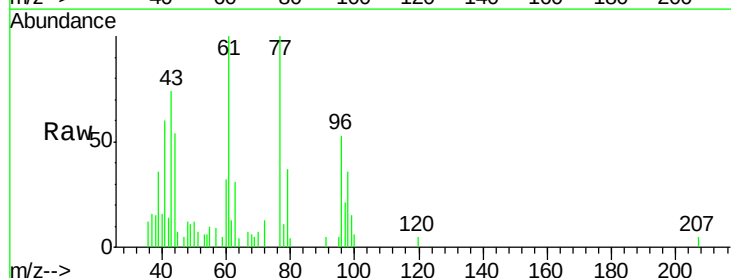
Acq: 22 Aug 2019 17:01

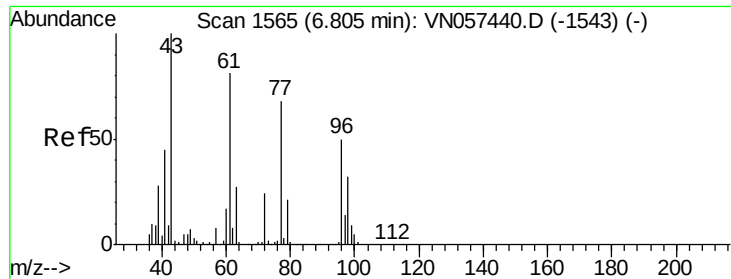
Tgt Ion: 77 Resp: 11095

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 1.408 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

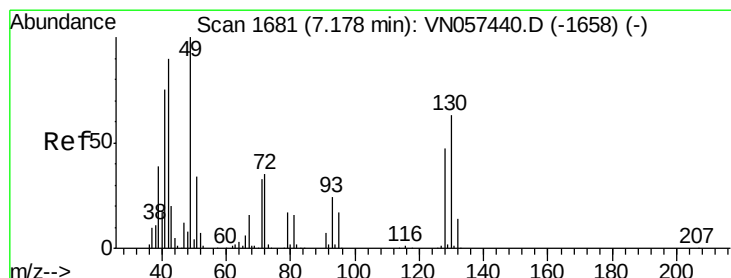
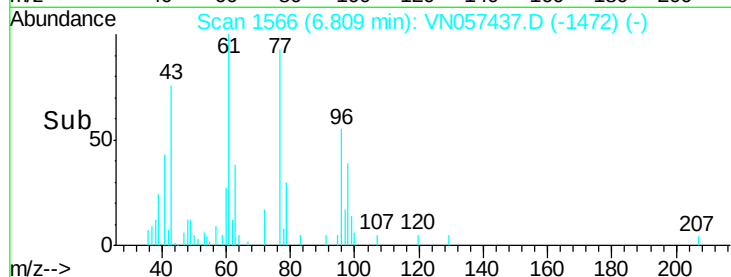
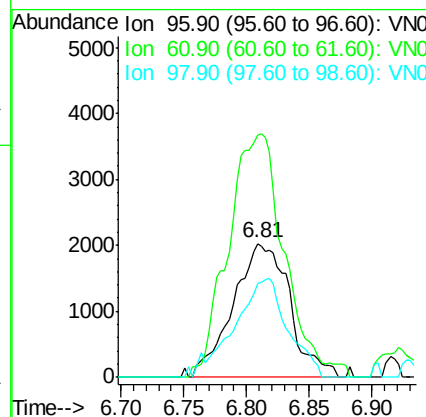
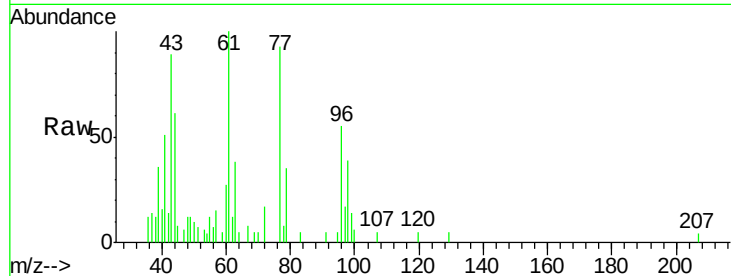
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	6376
Ion	Ratio	Lower	Upper
96	100		
61	180.9	0.0	334.8
98	69.8	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#28

Bromochloromethane

Concen: 1.533 ug/l

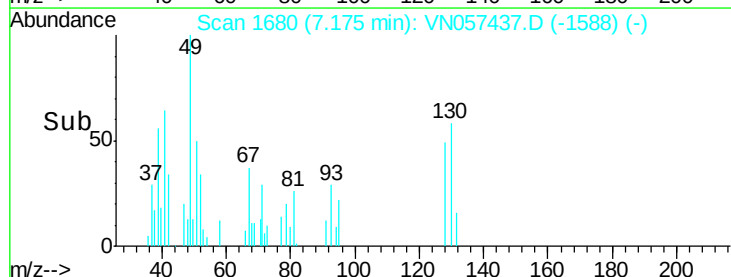
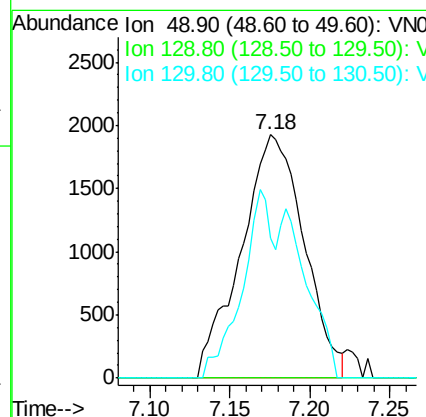
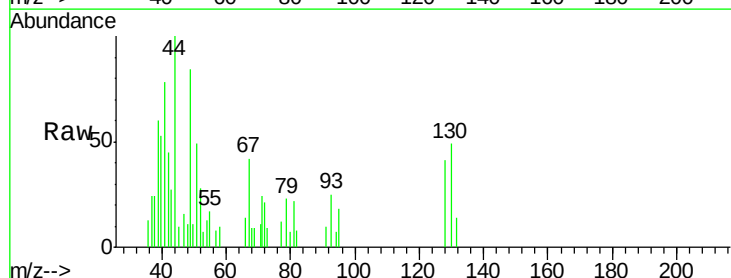
RT: 7.18 min Scan# 1680

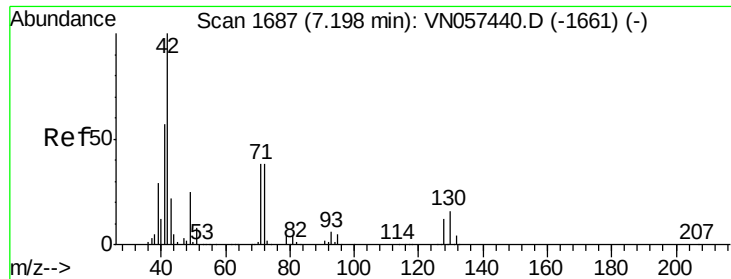
Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	49	Resp:	5229
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	37.5	48.6	72.8#





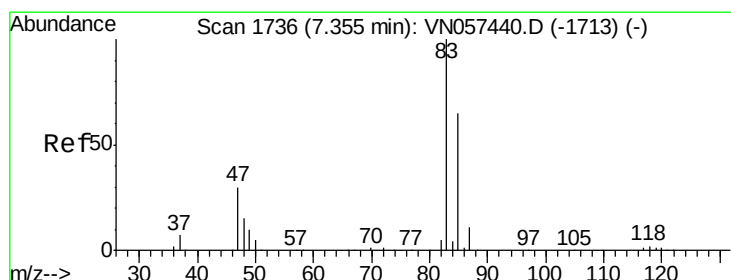
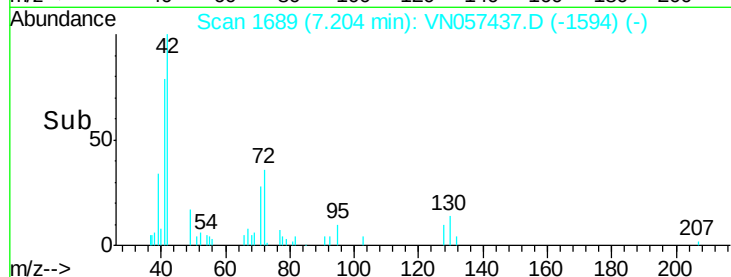
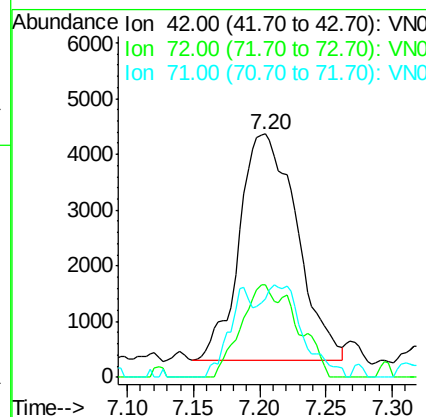
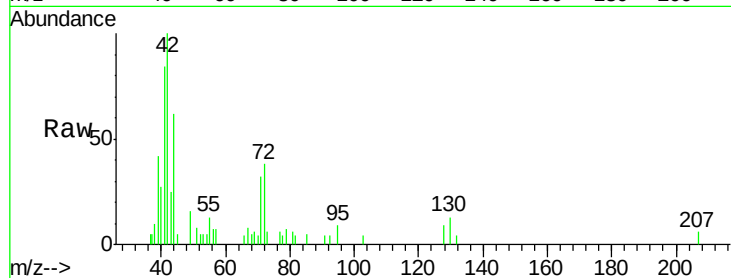
#29
Tetrahydrofuran
Concen: 8.253 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	25.0	30.1	45.1#
71	15.8	28.8	43.2#

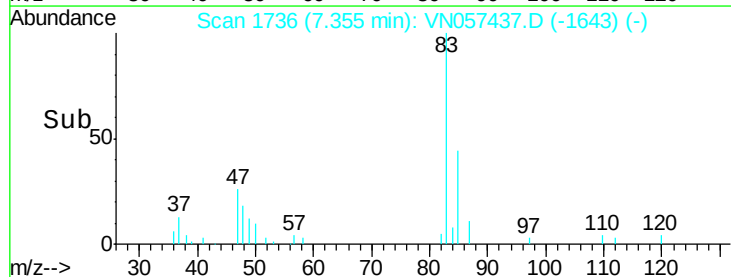
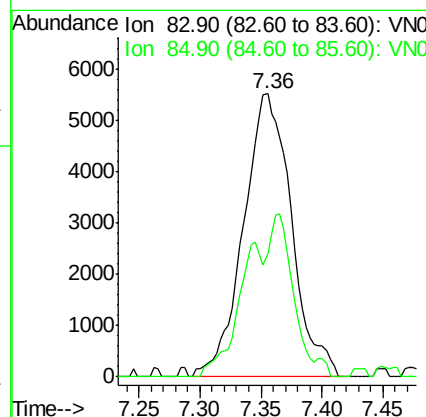
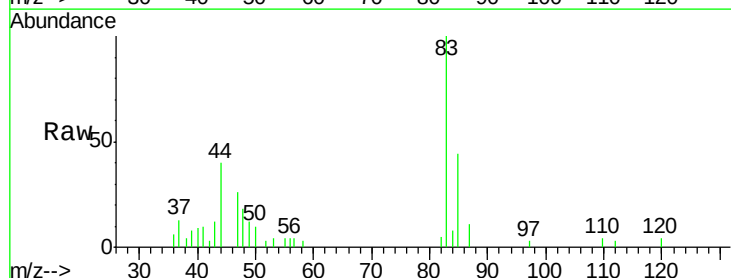
Manual Integrations
APPROVED

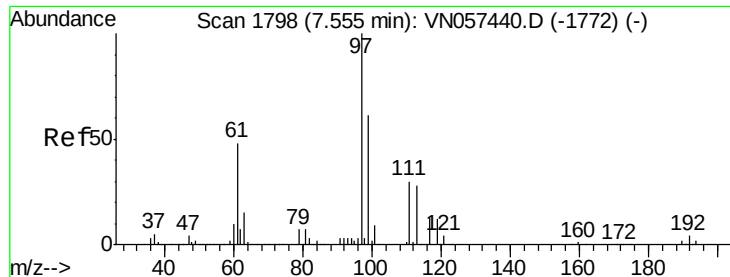
MMDadoda
8/23/2019 2:39:58 PM



#30
Chloroform
Concen: 2.020 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	43.6	51.9	77.9#





#32

1,1,1-Trichloroethane

Concen: 1.630 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

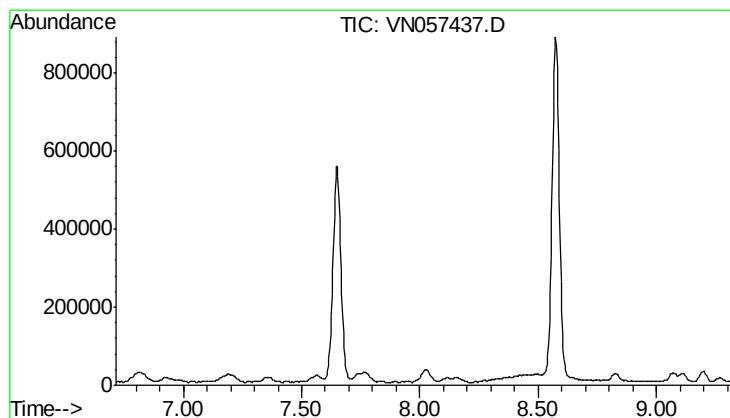
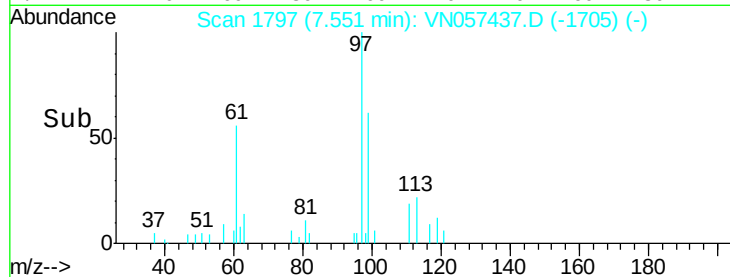
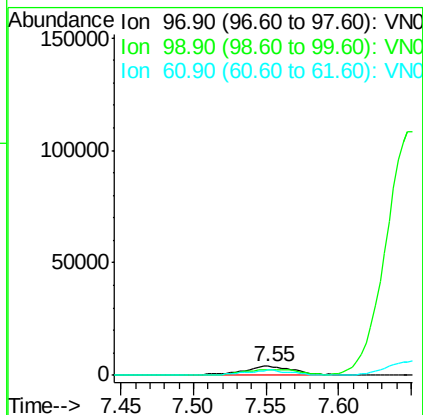
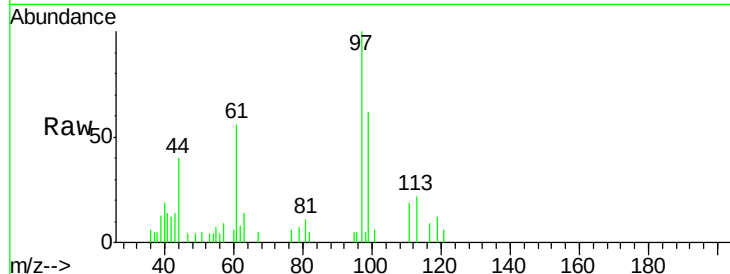
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	10168
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	51.2	39.8	59.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.01 min

Lab File: VN057437.D

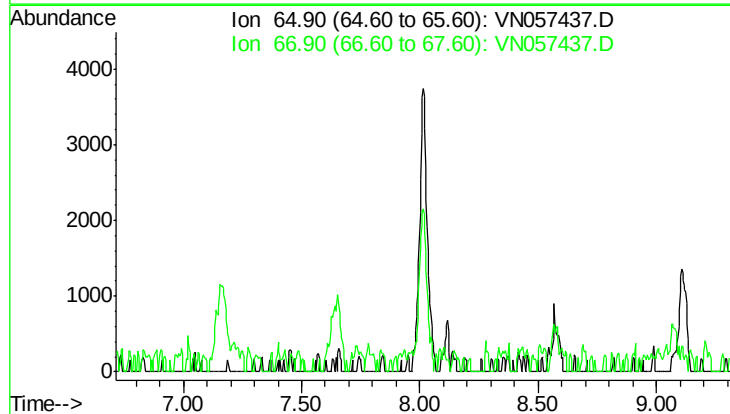
Acq: 22 Aug 2019 17:01

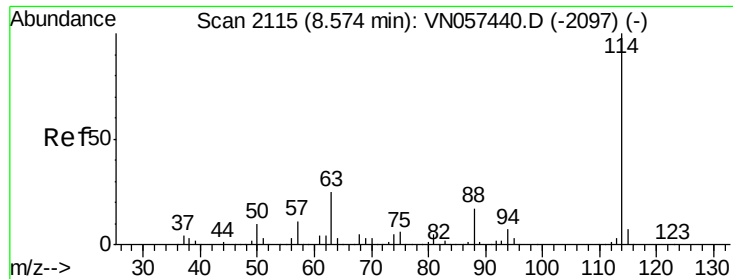
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.9





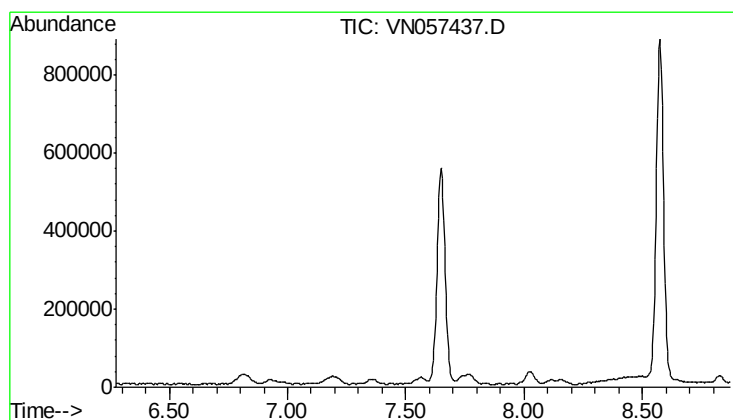
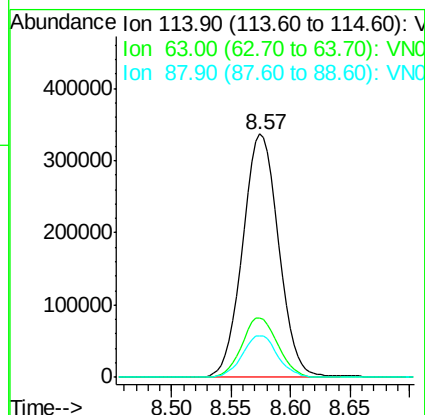
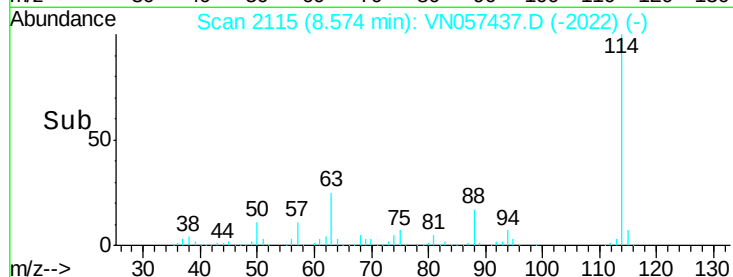
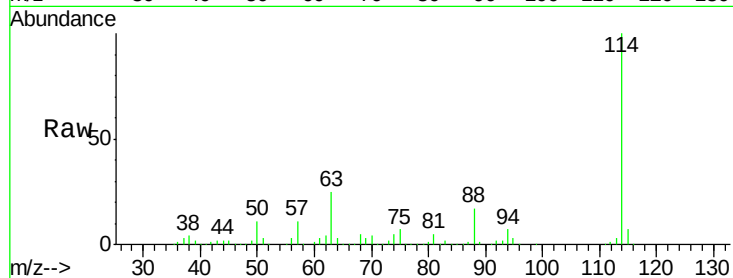
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.6	0.0	50.2
88	17.2	0.0	34.6

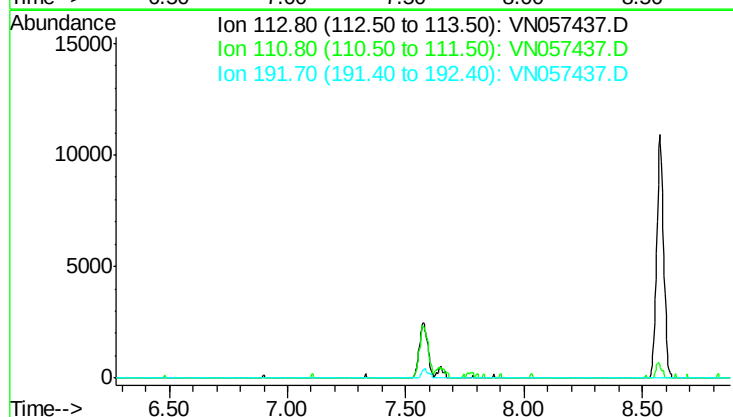
Manual Integrations
APPROVED

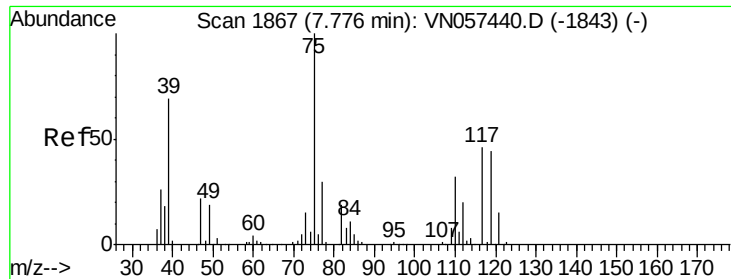
MMDadoda
8/23/2019 2:39:58 PM



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.57 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion	Exp Ratio
113	100
111	104.7
192	16.9





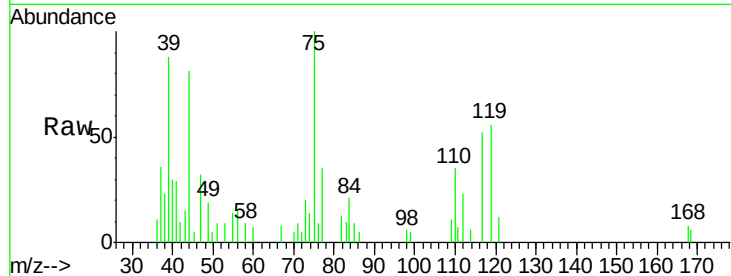
#36
 1,1-Dichloropropene
 Concen: 1.299 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

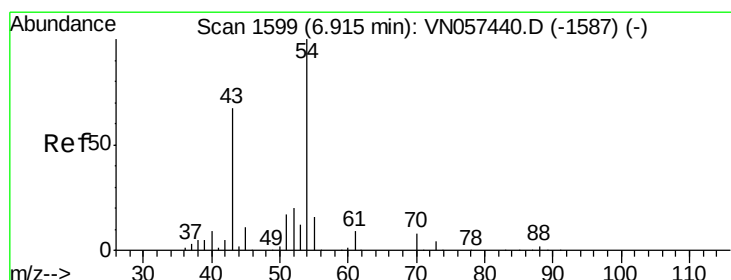
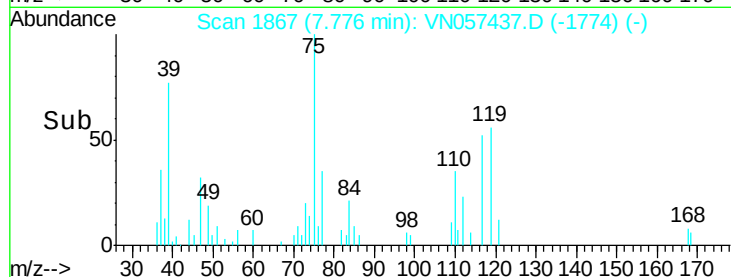
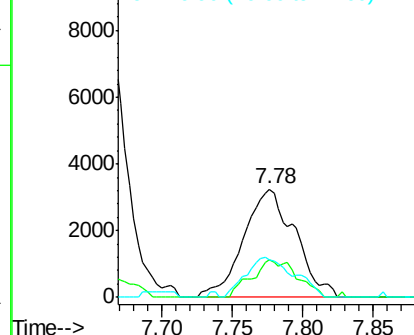
Tot Ion	Ratio	Lower	Upper
75	100		
110	18.3	16.1	48.3
77	34.7	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:39:58 PM

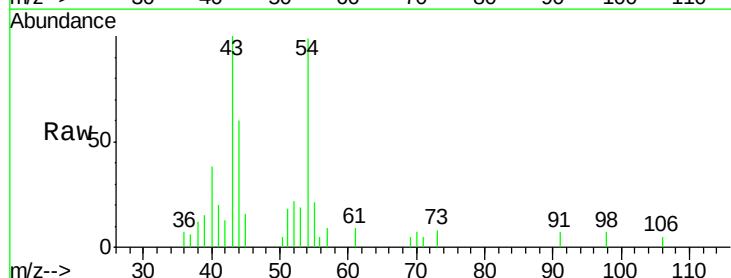


Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-1843) (-)
 Ion 109.90 (109.60 to 110.60): VN057440.D (-1843) (-)
 Ion 76.90 (76.60 to 77.60): VN057440.D (-1843) (-)

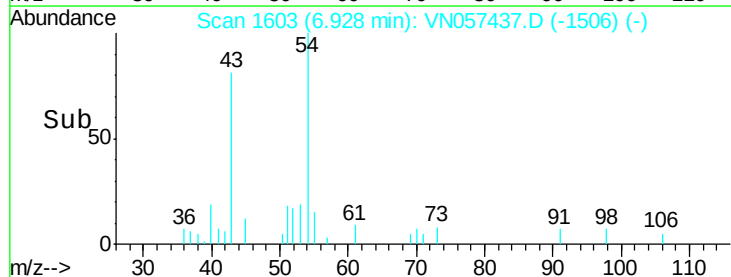
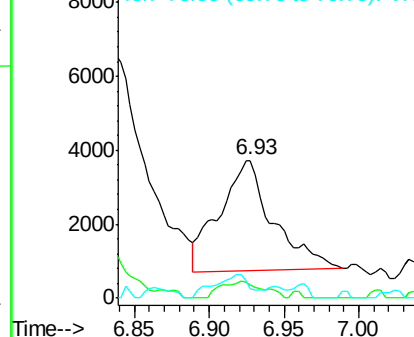


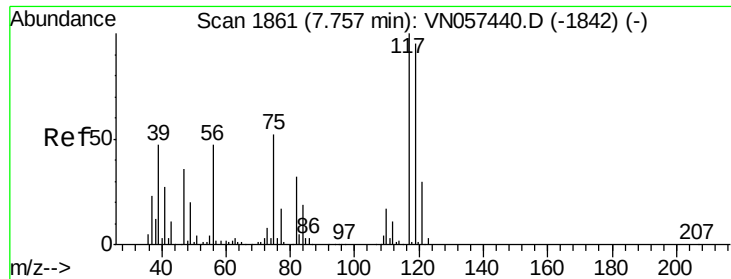
#37
 Ethyl Acetate
 Concen: 1.396 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.01 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.9	14.9
70	13.3	7.0	10.6#



Abundance Ion 43.00 (42.70 to 43.70): VN057437.D (-1506) (-)
 Ion 60.90 (60.60 to 61.60): VN057437.D (-1506) (-)
 Ion 70.00 (69.70 to 70.70): VN057437.D (-1506) (-)





#38

Carbon Tetrachloride

Concen: 1.337 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

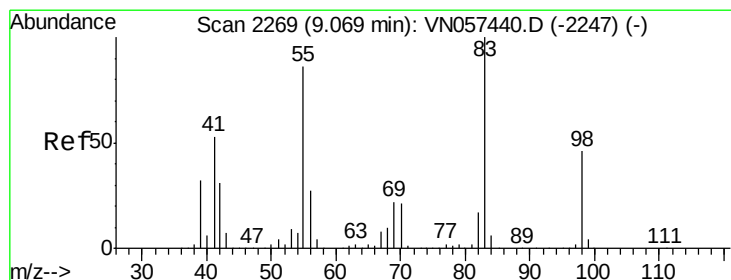
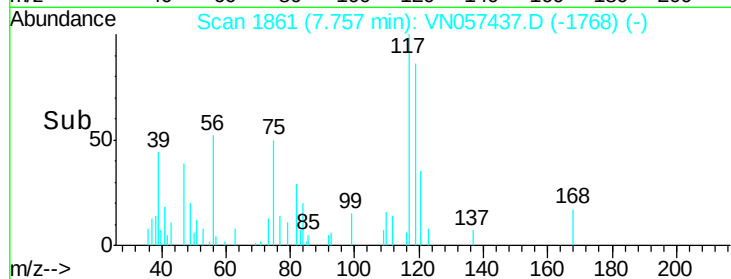
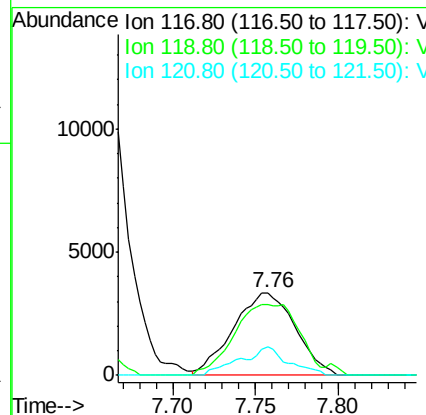
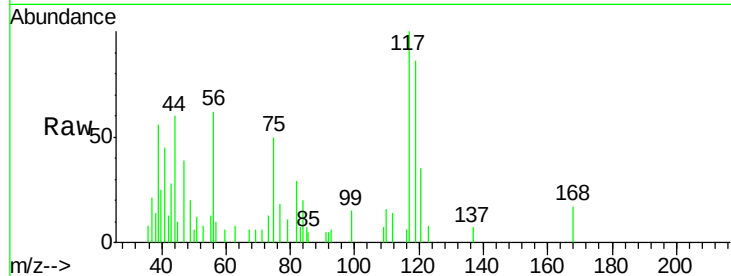
ClientSampled :

VSTDIC001

Tot Ion:	117	Resp:	8755
Ion	Ratio	Lower	Upper
117	100		
119	86.1	76.2	114.4
121	35.3	23.8	35.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#39

Methylcyclohexane

Concen: 1.211 ug/l

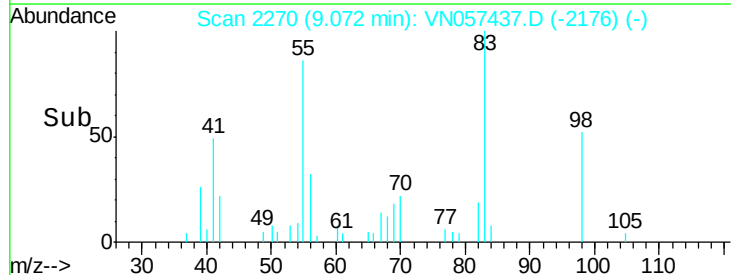
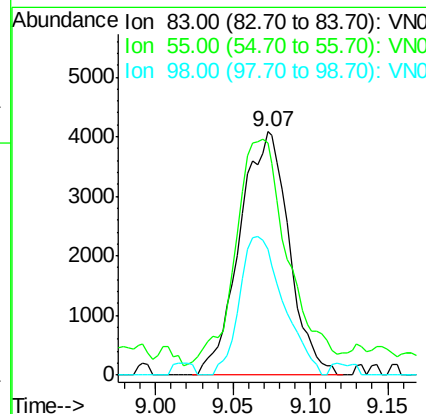
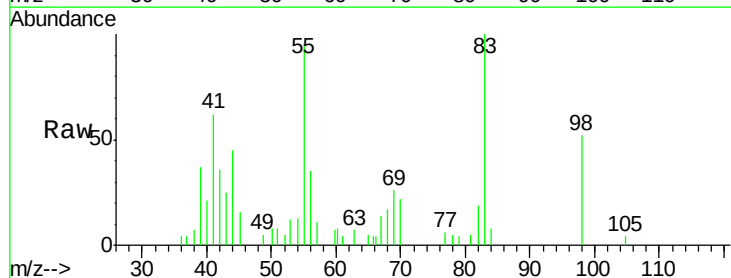
RT: 9.07 min Scan# 2270

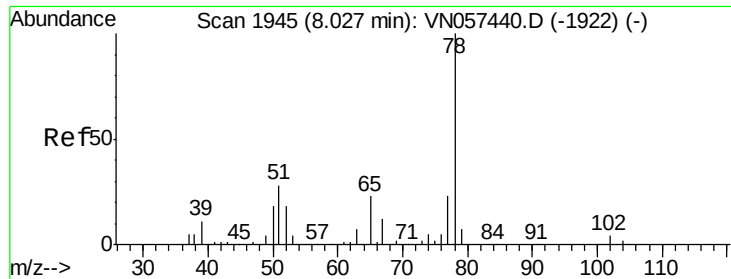
Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	83	Resp:	9040
Ion	Ratio	Lower	Upper
83	100		
55	90.0	68.6	102.8
98	47.5	36.6	54.8





#40

Benzene

Concen: 1.309 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 25327

Ion Ratio Lower Upper

78 100

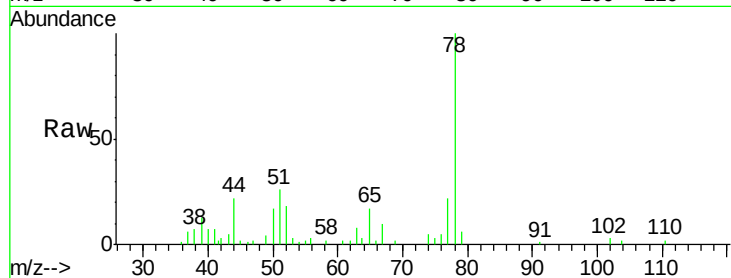
77 22.1 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.03

12000

10000

8000

6000

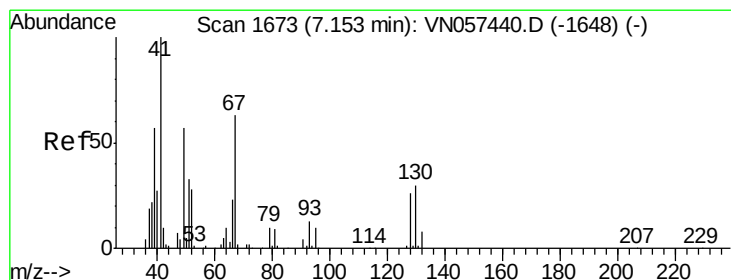
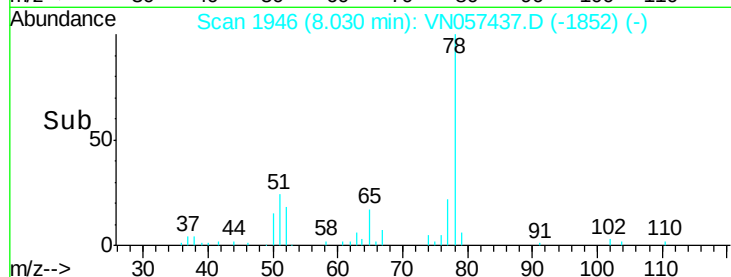
4000

2000

0

7.95 8.00 8.05 8.10

Time-->



#41

Methacrylonitrile

Concen: 1.408 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion: 41 Resp: 3440

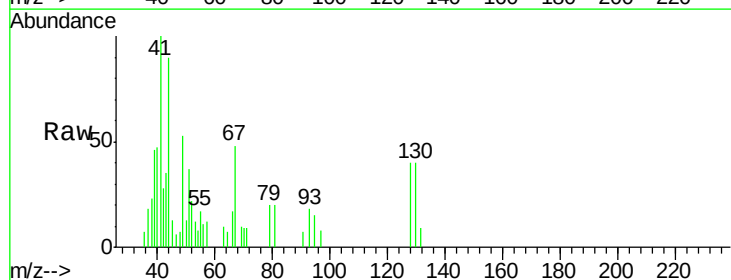
Ion Ratio Lower Upper

41 100

39 37.9 53.6 80.4#

67 53.0 65.4 98.2#

52 26.3 29.8 44.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

5000

4000

3000

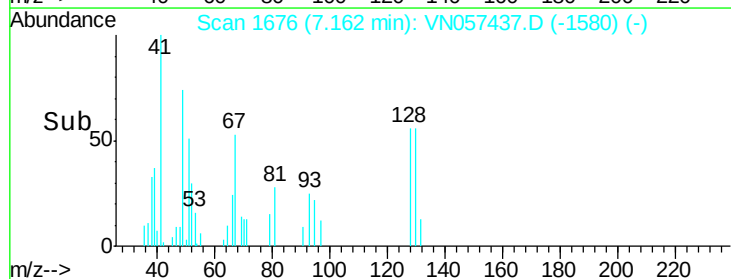
2000

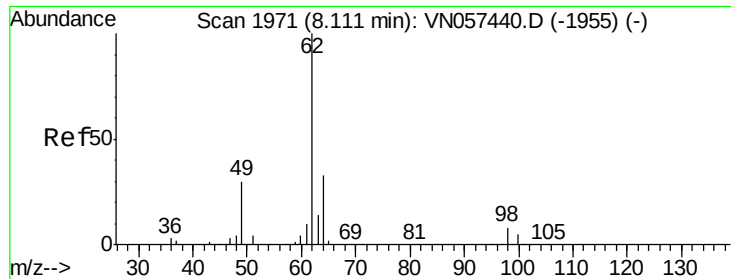
1000

0

7.12 7.14 7.16 7.18

Time-->





#42

1,2-Dichloroethane

Concen: 1.546 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

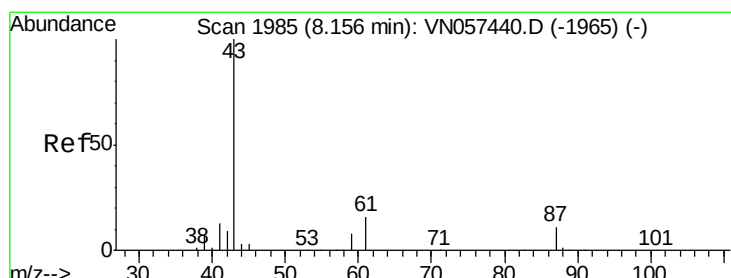
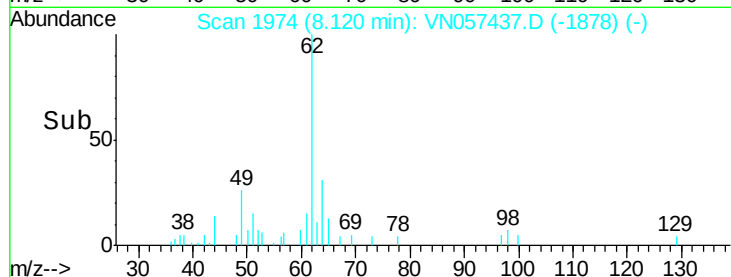
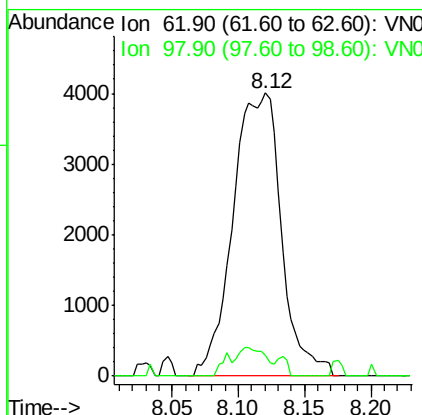
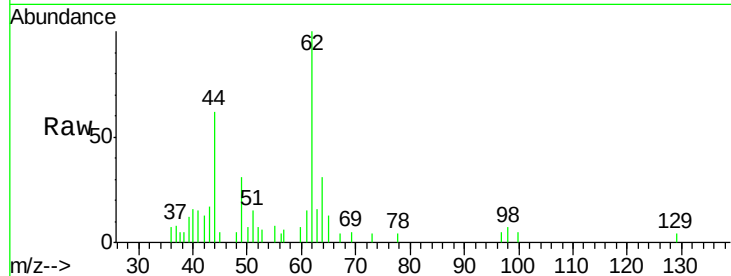
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	10161		
98	1.4	0.0	15.4	

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#43

Isopropyl Acetate

Concen: 1.293 ug/l

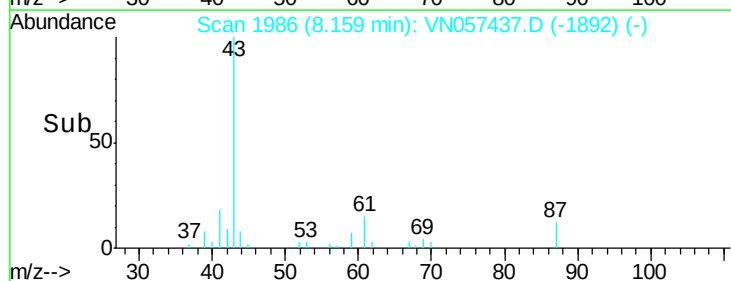
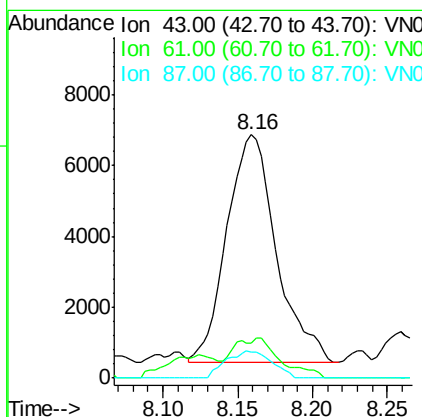
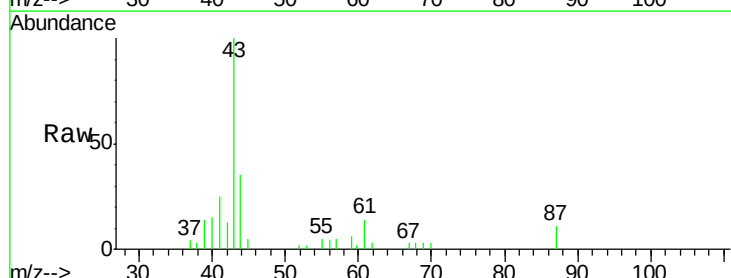
RT: 8.16 min Scan# 1986

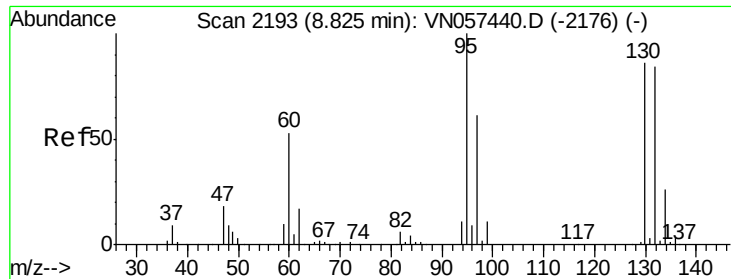
Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	14883		
61	2.7	14.5	21.7#	
87	10.9	8.6	12.8	





#44

Trichloroethene

Concen: 1.004 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5300

Ion Ratio Lower Upper

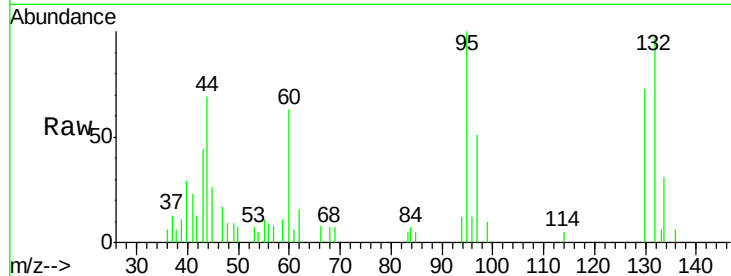
130 100

95 137.5 0.0 231.6

Manual Integrations
APPROVED

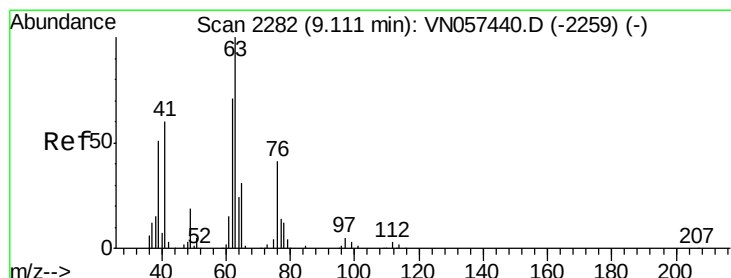
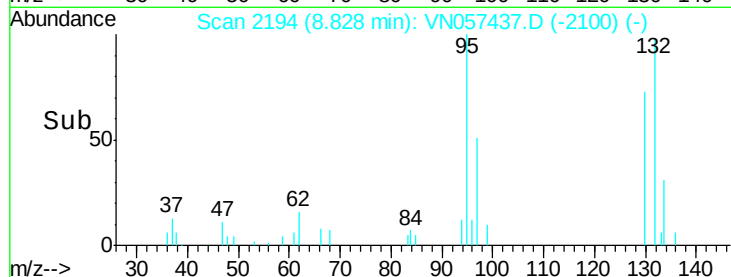
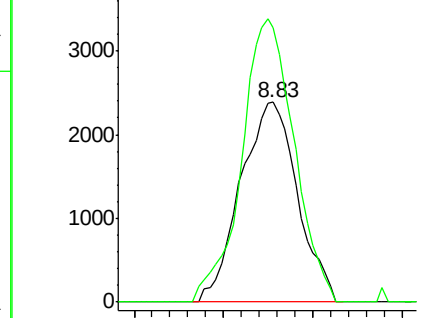
MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#45

1,2-Dichloropropane

Concen: 1.405 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057437.D

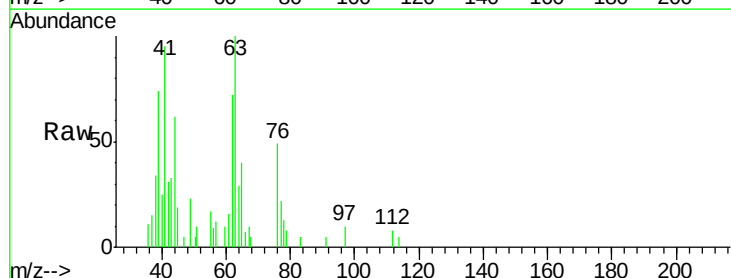
Acq: 22 Aug 2019 17:01

Tgt Ion: 63 Resp: 7101

Ion Ratio Lower Upper

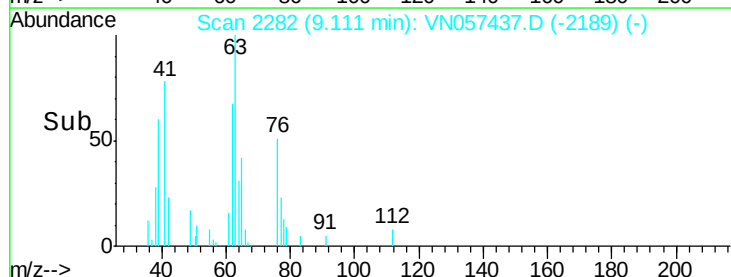
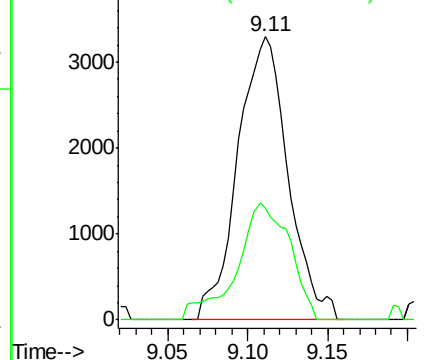
63 100

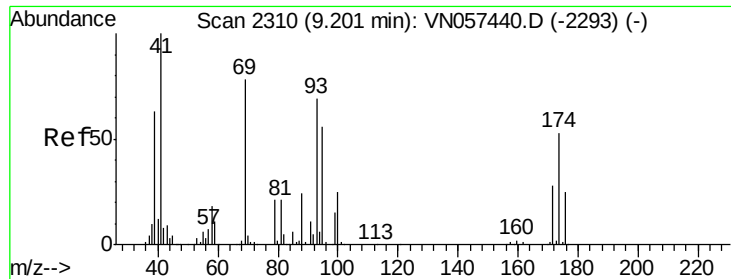
65 39.6 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





#46

Dibromomethane

Concen: 1.528 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

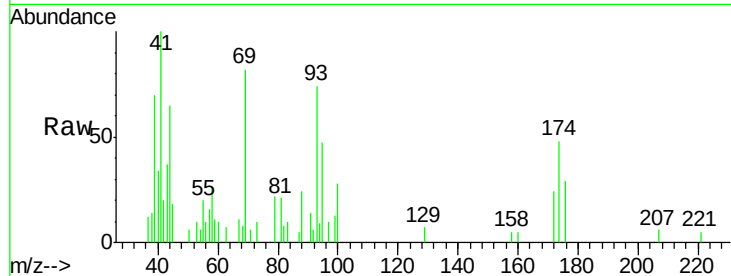
ClientSampled :

VSTDIC001

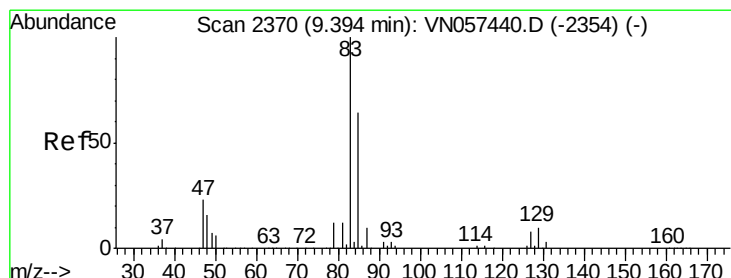
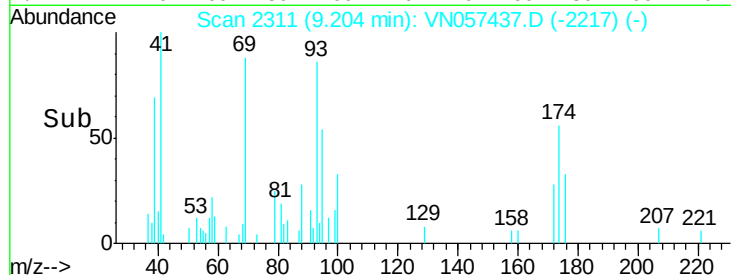
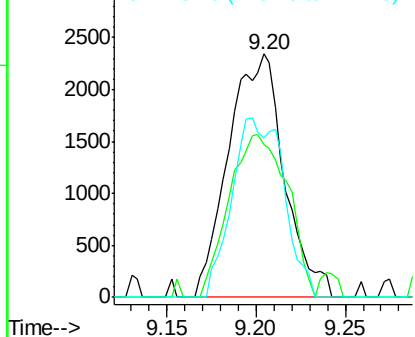
Tot Ion:	93	Resp:	5099
Ion	Ratio	Lower	Upper
93	100		
95	70.1	64.7	97.1
174	68.7	62.3	93.5

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 1.454 ug/l

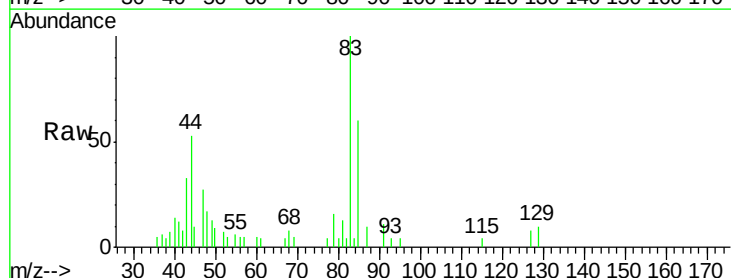
RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

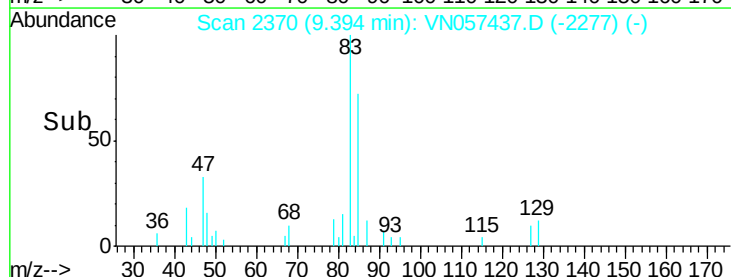
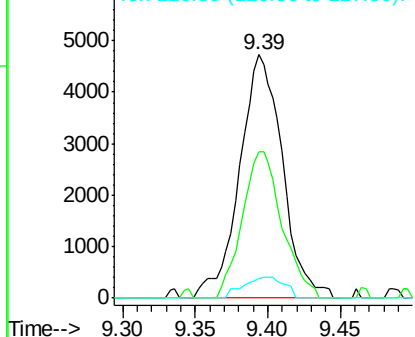
Lab File: VN057437.D

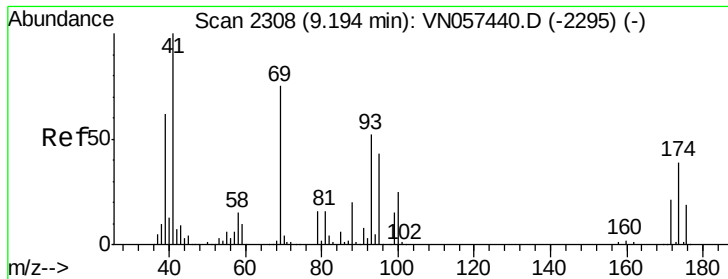
Acq: 22 Aug 2019 17:01

Tgt Ion:	83	Resp:	9694
Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.2	76.8
127	8.1	6.6	10.0



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





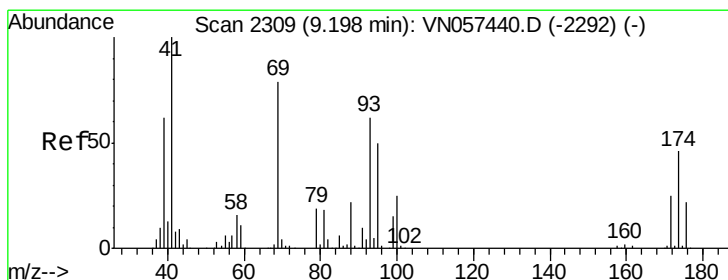
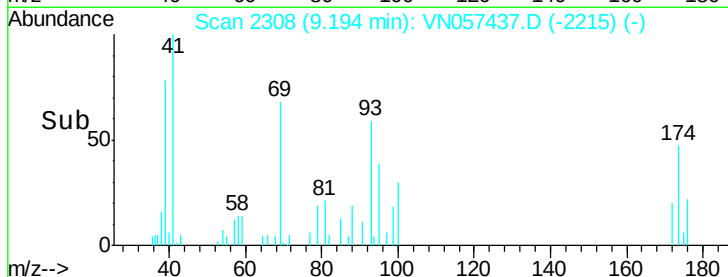
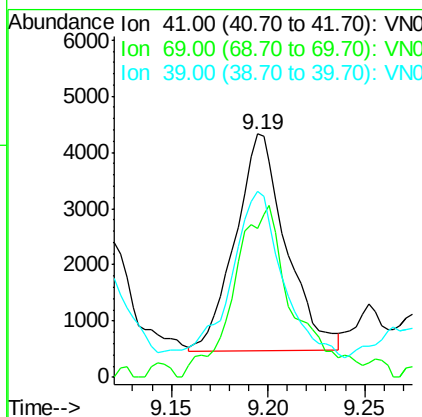
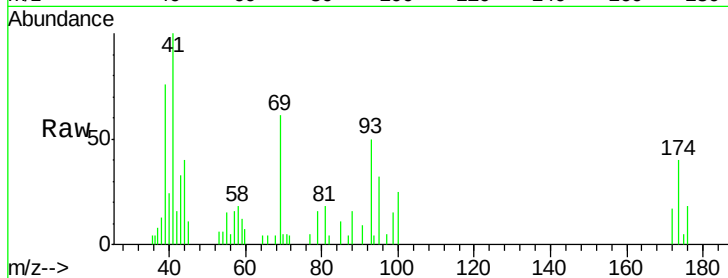
#48
Methyl methacrylate
Concen: 1.583 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	91.4	59.3	88.9#
39	75.4	50.6	75.8

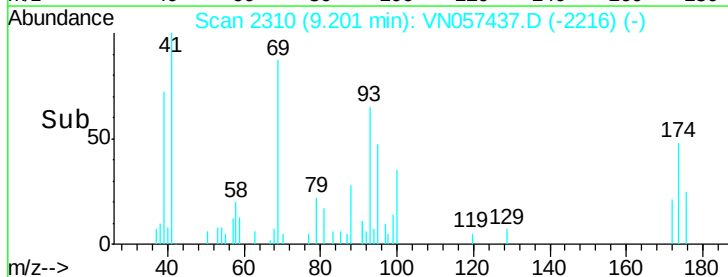
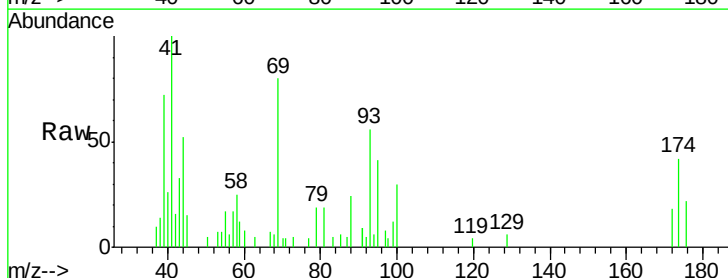
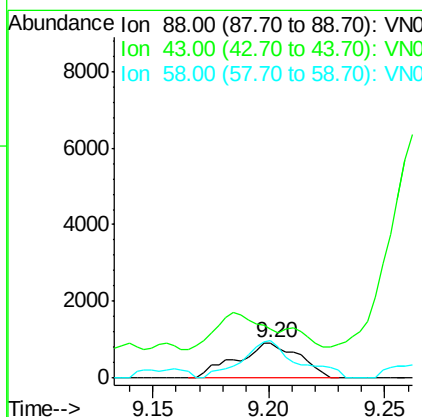
Manual Integrations
APPROVED

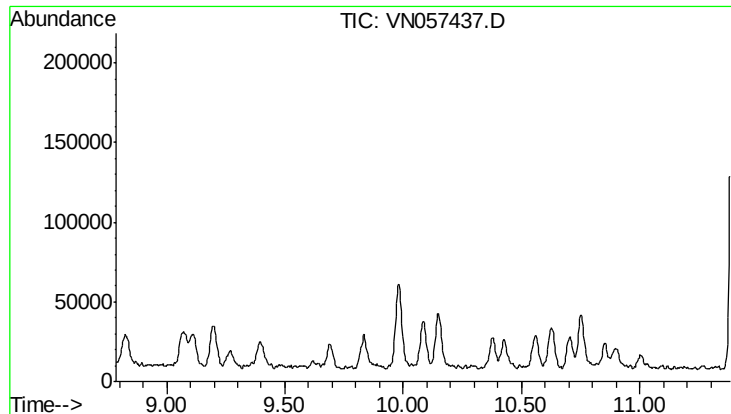
MMDadoda
8/23/2019 2:39:58 PM



#49
1,4-Dioxane
Concen: 19.904 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	79.3	31.0	46.6#
58	93.2	64.5	96.7





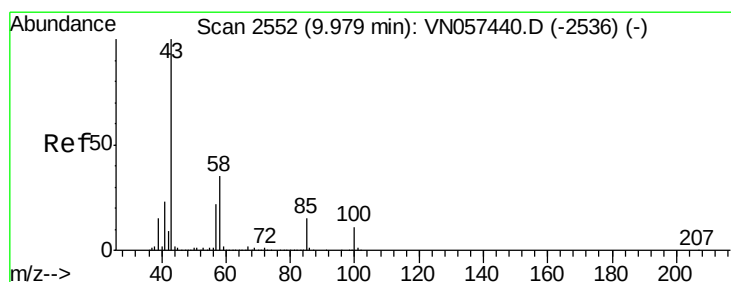
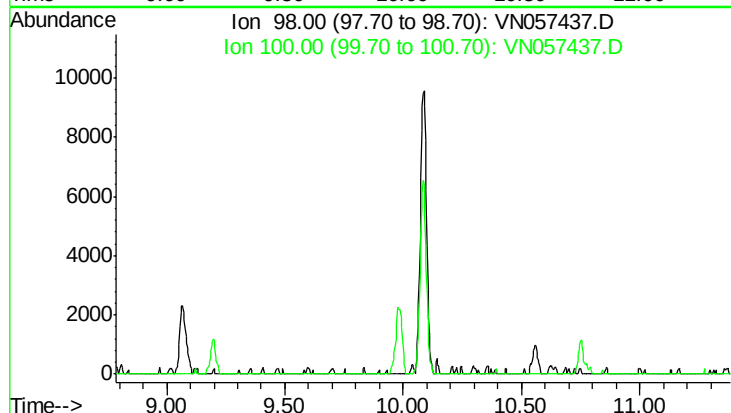
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.0

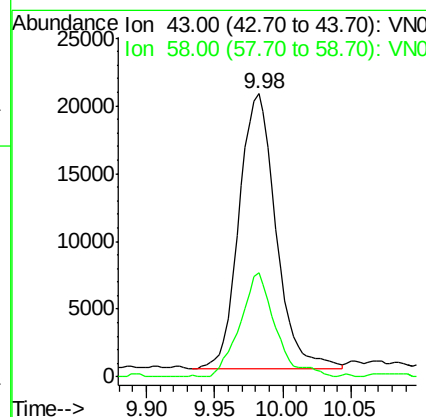
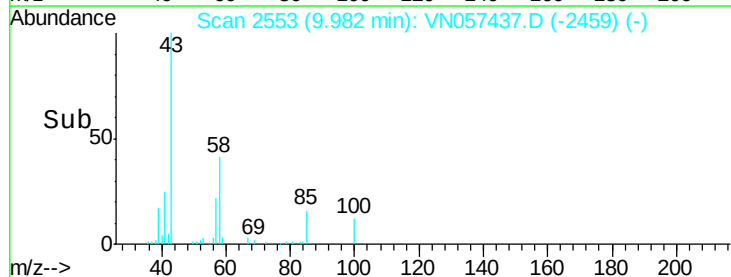
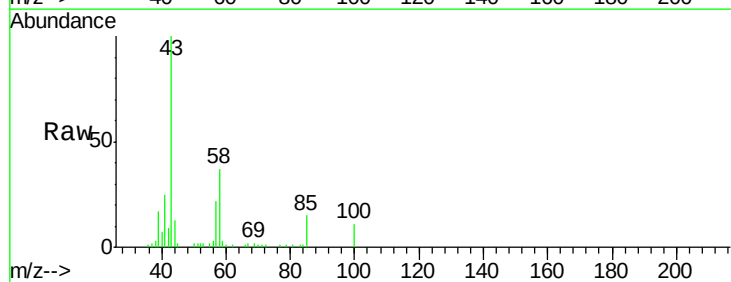
Manual Integrations
APPROVED

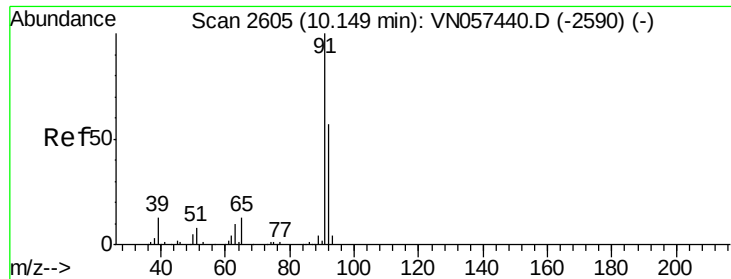
MMDadoda
8/23/2019 2:39:58 PM



#51
4-Methyl-2-Pentanone
Concen: 6.921 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion: 43 Resp: 38458
Ion Ratio Lower Upper
43 100
58 35.9 27.9 41.9





#52

Toluene

Concen: 1.086 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 12933

Ion Ratio Lower Upper

92 100

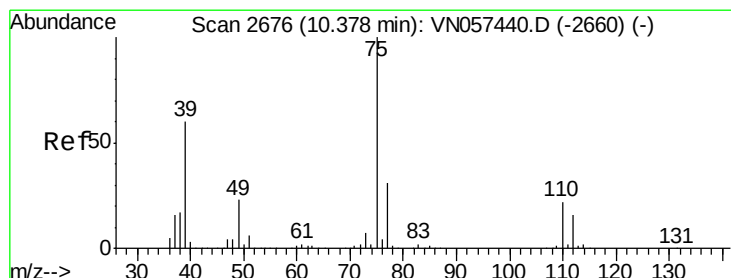
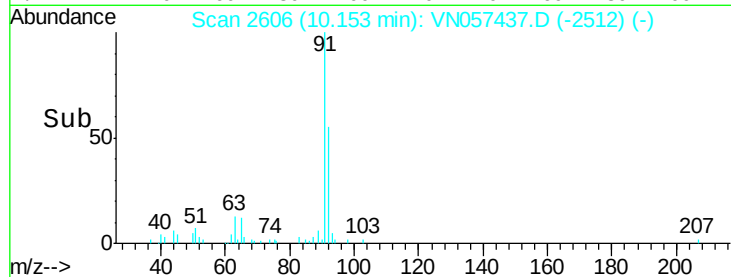
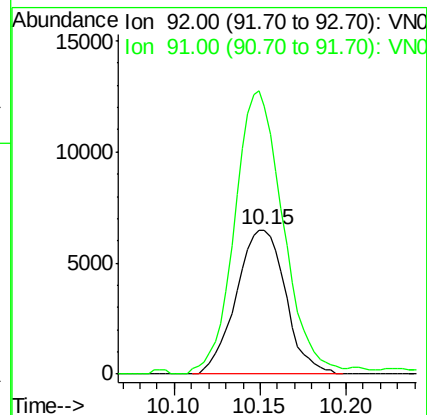
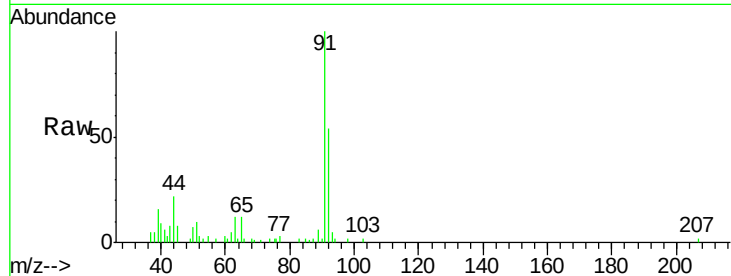
91 193.5 140.9 211.3

Manual Integrations

APPROVED

MMDadoda

8/23/2019 2:39:58 PM



#53

t-1,3-Dichloropropene

Concen: 1.314 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057437.D

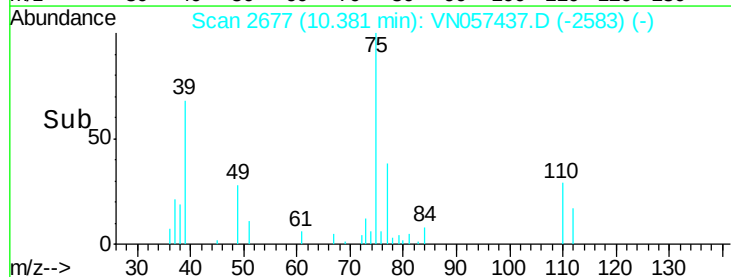
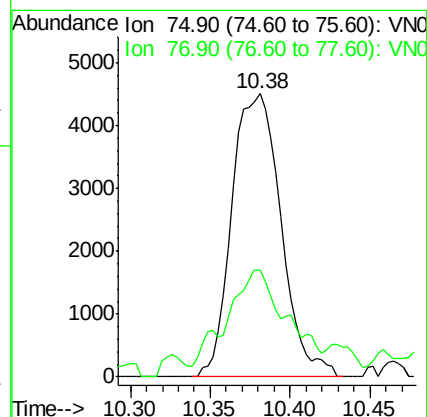
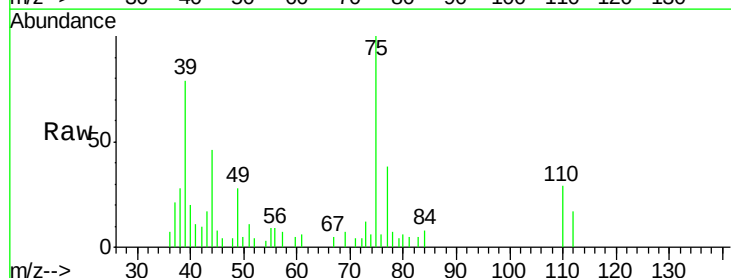
Acq: 22 Aug 2019 17:01

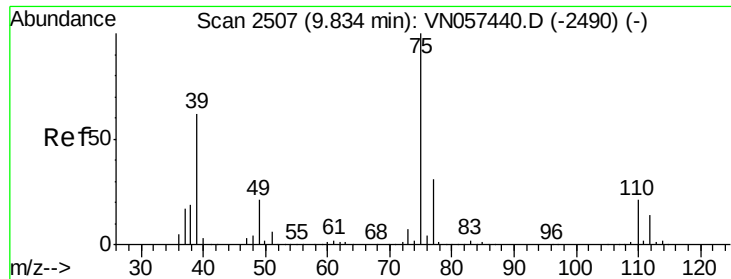
Tgt Ion: 75 Resp: 9435

Ion Ratio Lower Upper

75 100

77 34.0 25.0 37.6





#54

cis-1,3-Dichloropropene

Concen: 1.418 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

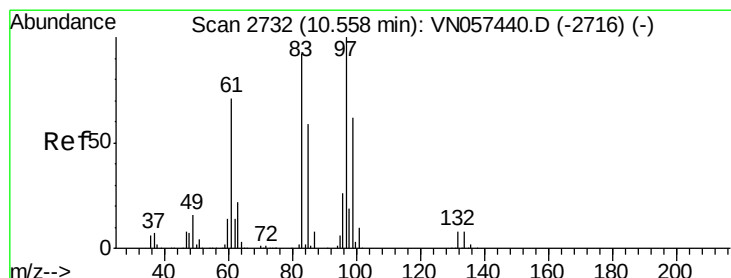
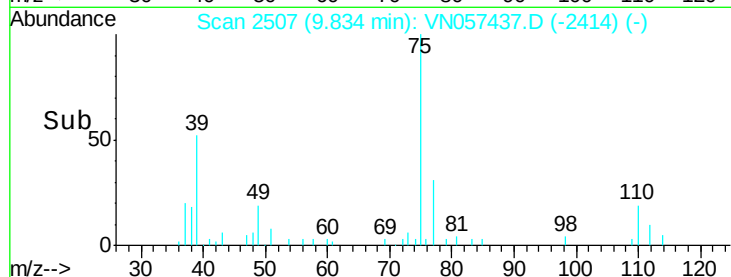
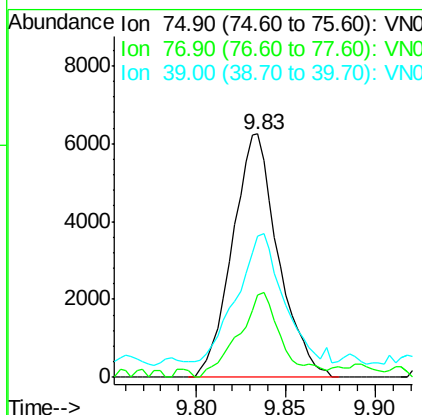
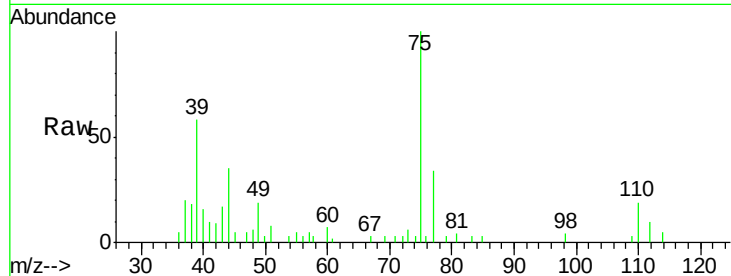
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	11193
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.6
39	51.5	49.2	73.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#55

1,1,2-Trichloroethane

Concen: 1.307 ug/l m

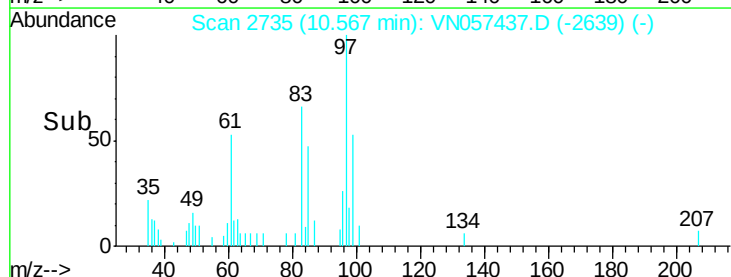
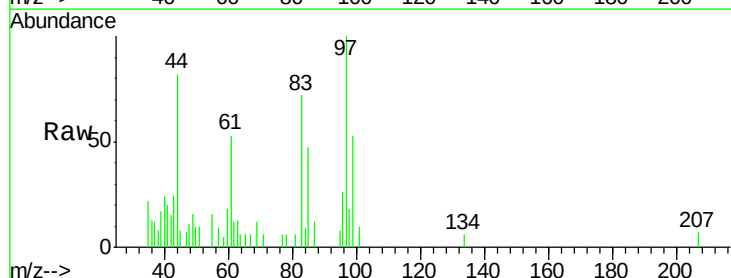
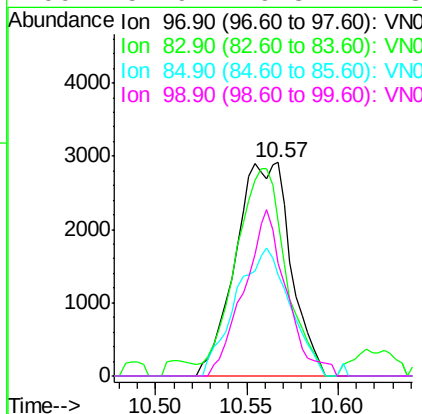
RT: 10.57 min Scan# 2735

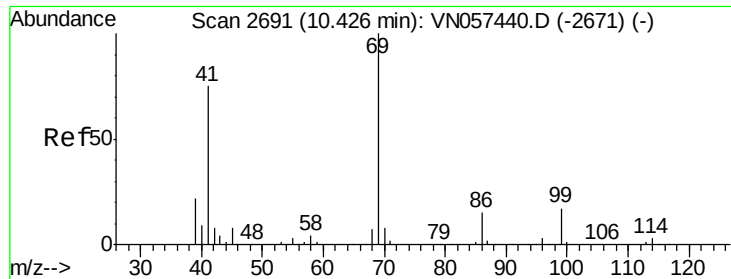
Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	97	Resp:	6116
Ion	Ratio	Lower	Upper
97	100		
83	72.5	73.7	110.5#
85	47.5	46.8	70.2
99	52.9	49.8	74.8





#56

Ethyl methacrylate

Concen: 1.082 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

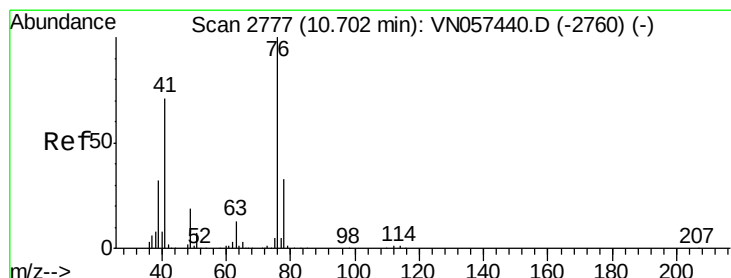
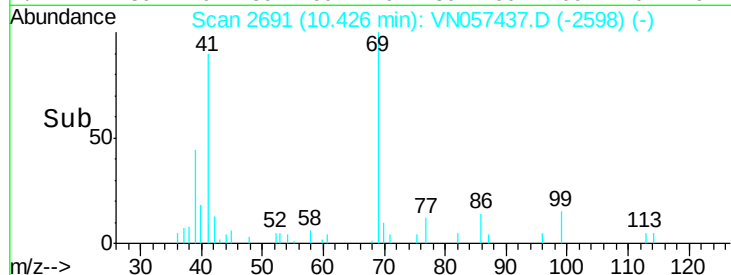
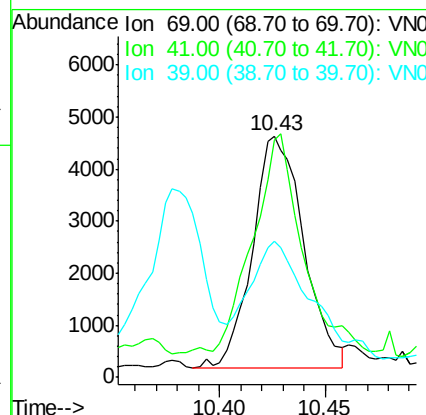
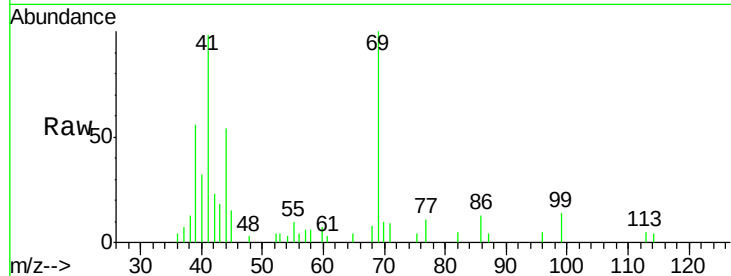
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	7504
Ion	Ratio	Lower	Upper
69	100		
41	91.7	60.8	91.2#
39	61.7	36.5	54.7#

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#57

1,3-Dichloropropane

Concen: 1.228 ug/l

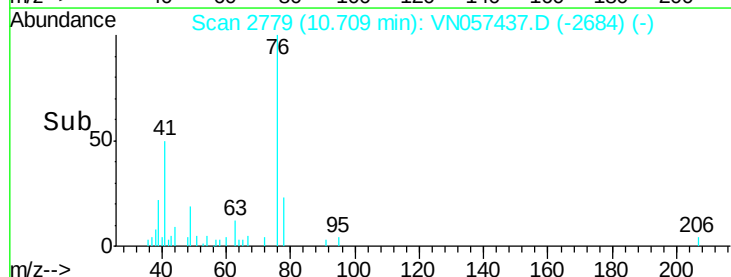
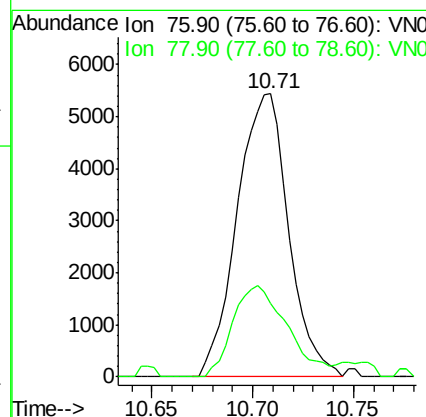
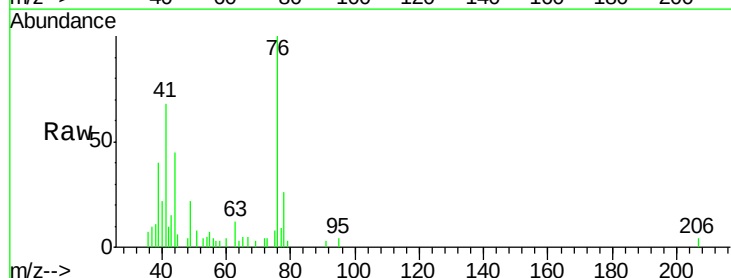
RT: 10.71 min Scan# 2779

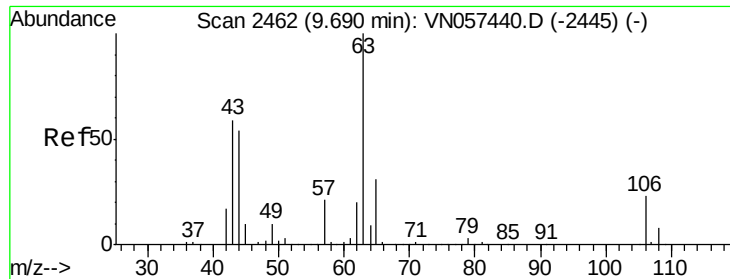
Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	76	Resp:	9721
Ion	Ratio	Lower	Upper
76	100		
78	34.0	25.5	38.3





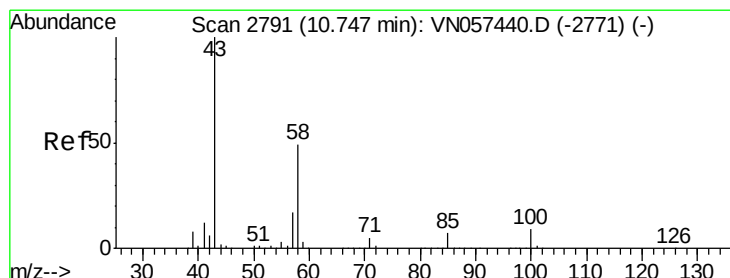
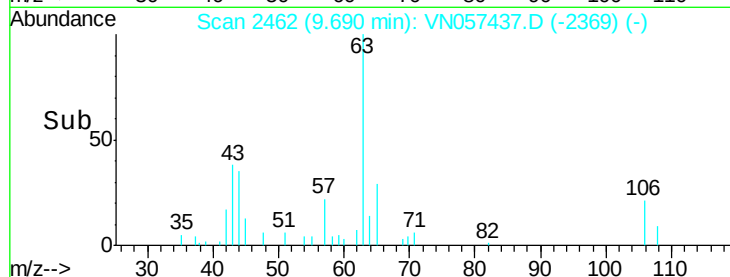
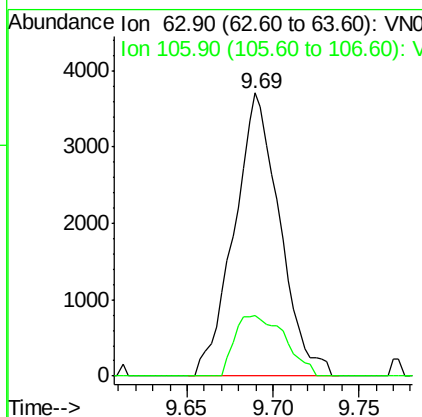
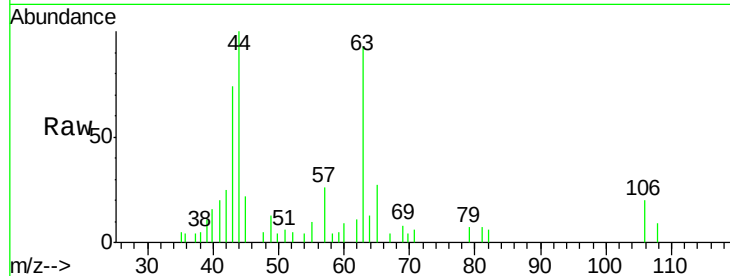
#58
2-Chloroethyl Vinyl ether
Concen: 3.828 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
106	23.5	18.6	27.8

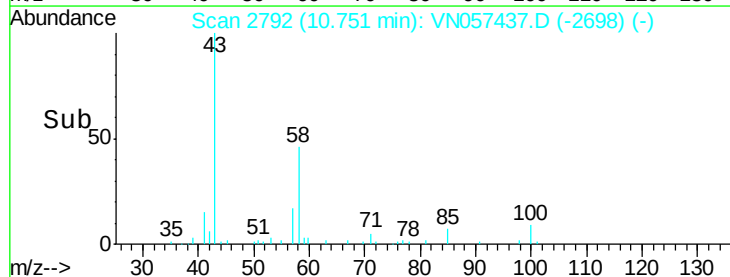
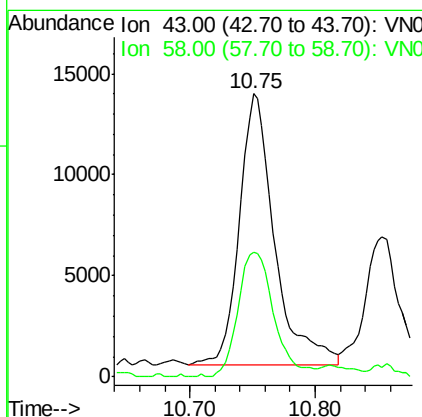
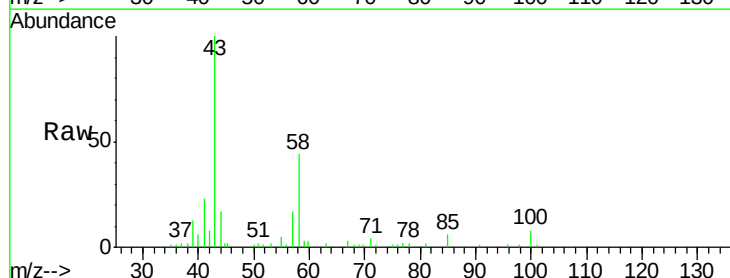
Manual Integrations
APPROVED

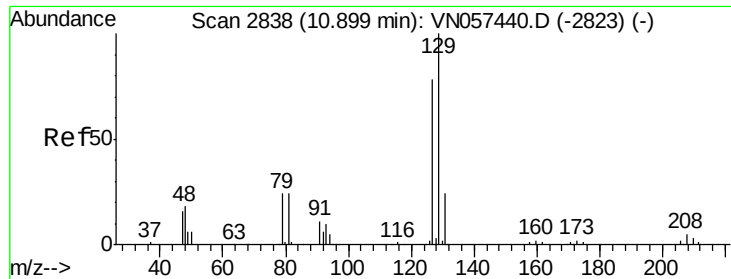
MMDadoda
8/23/2019 2:39:58 PM



#59
2-Hexanone
Concen: 6.629 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.0	24.6	73.6





#60

Dibromochloromethane

Concen: 1.110 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 5767

Ion Ratio Lower Upper

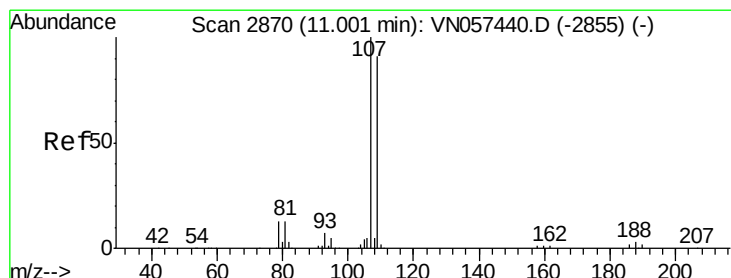
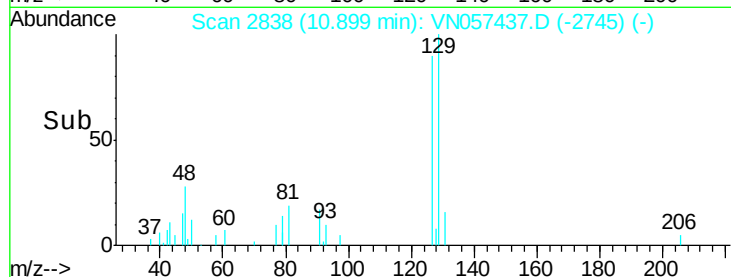
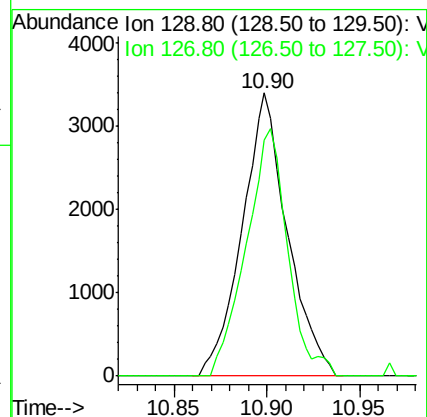
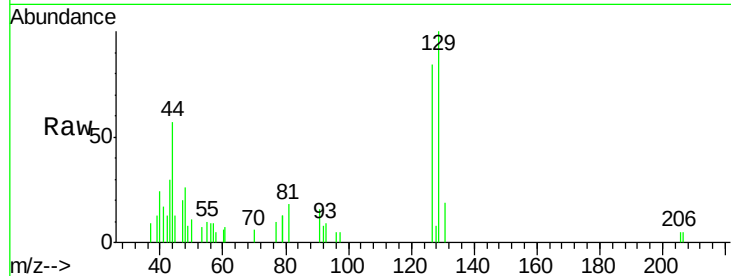
129 100

127 80.0 39.0 116.9

Manual Integrations
APPROVED

MMDadoda

8/23/2019 2:39:58 PM



#61

1,2-Dibromoethane

Concen: 1.067 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057437.D

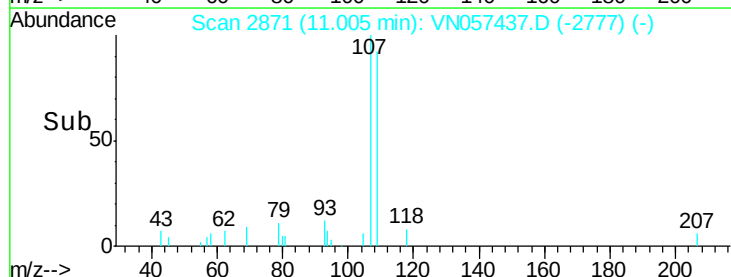
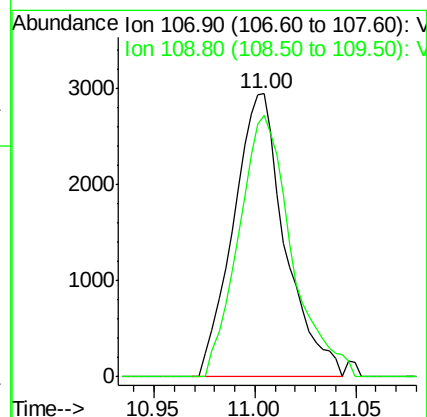
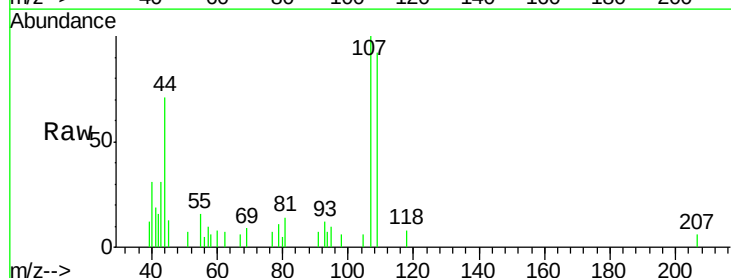
Acq: 22 Aug 2019 17:01

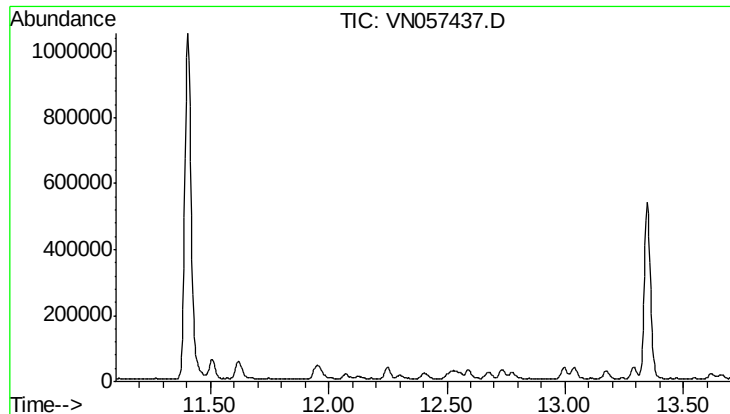
Tgt Ion:107 Resp: 5284

Ion Ratio Lower Upper

107 100

109 94.5 73.8 110.8





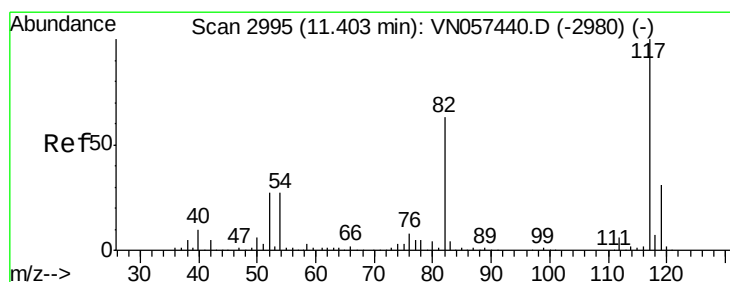
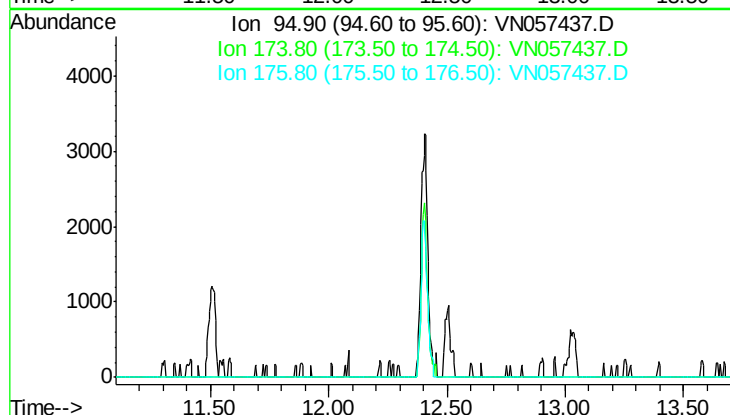
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	66.5
176	65.4

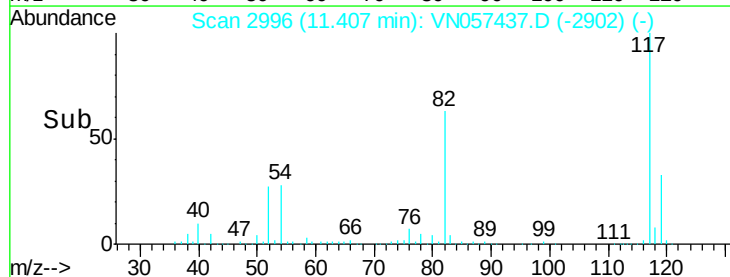
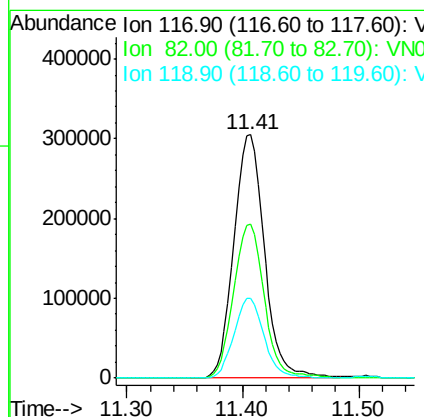
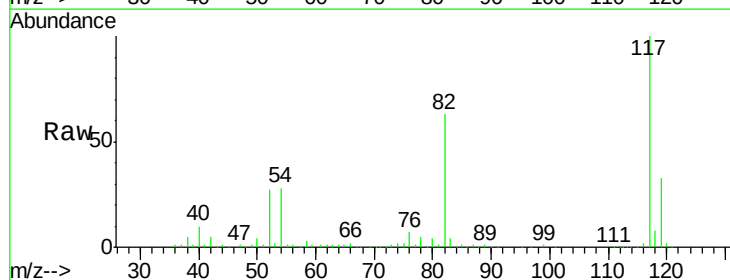
Manual Integrations
 APPROVED

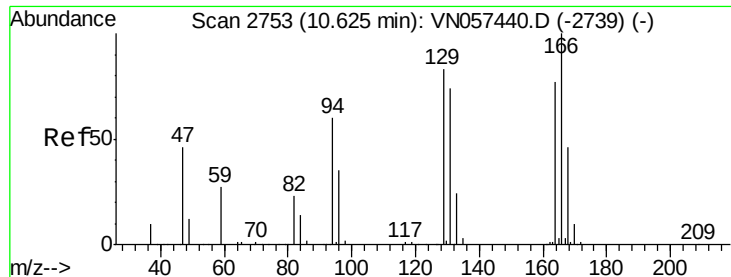
MMDadoda
 8/23/2019 2:39:58 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Tgt Ion	117	Resp	557354
Ion	Ratio	Lower	Upper
117	100		
82	63.1	50.6	75.8
119	32.6	24.6	36.8





#64

Tetrachloroethene

Concen: 1.007 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4703

Ion Ratio Lower Upper

164 100

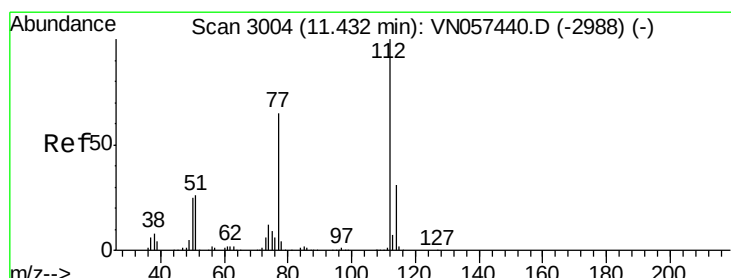
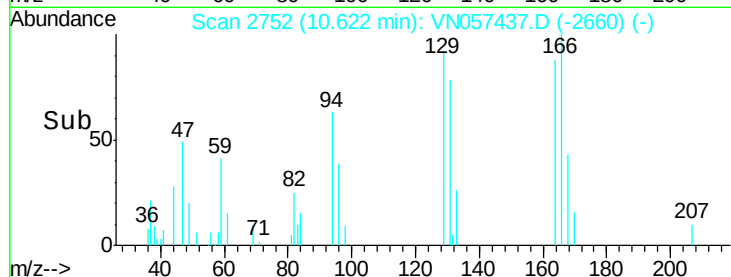
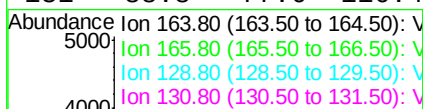
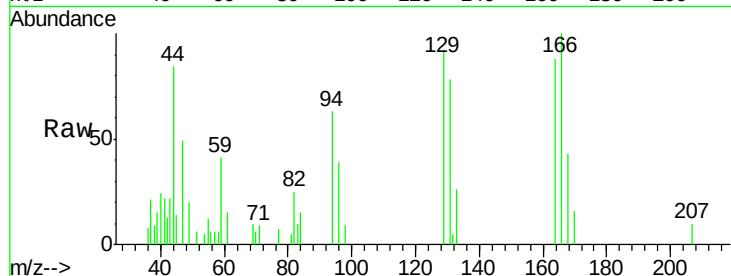
166 114.2 104.4 156.6

129 104.8 86.6 130.0

131 88.8 77.6 116.4

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#65

Chlorobenzene

Concen: 1.181 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057437.D

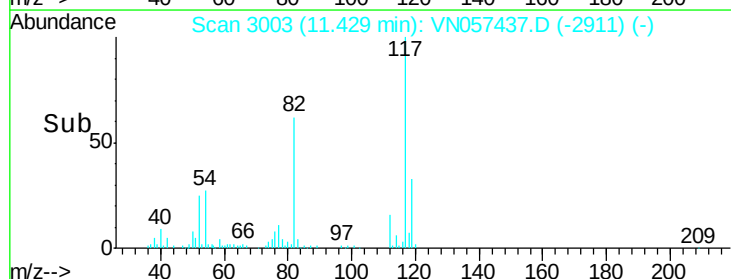
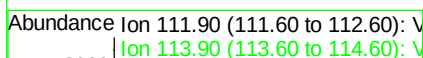
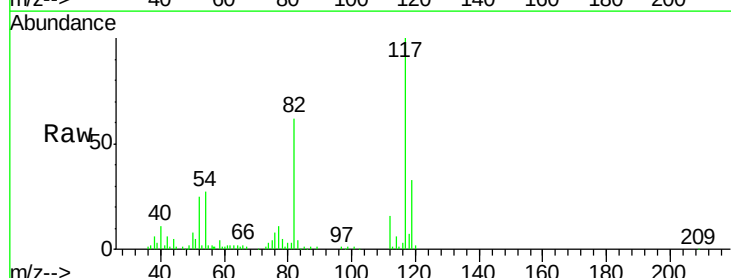
Acq: 22 Aug 2019 17:01

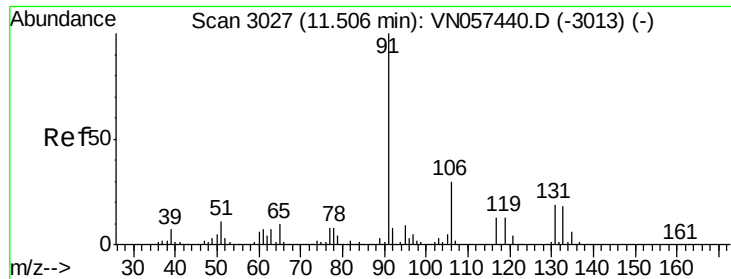
Tgt Ion:112 Resp: 13314

Ion Ratio Lower Upper

112 100

114 39.1 24.8 37.2#





#66

1,1,1,2-Tetrachloroethane

Concen: 1.262 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

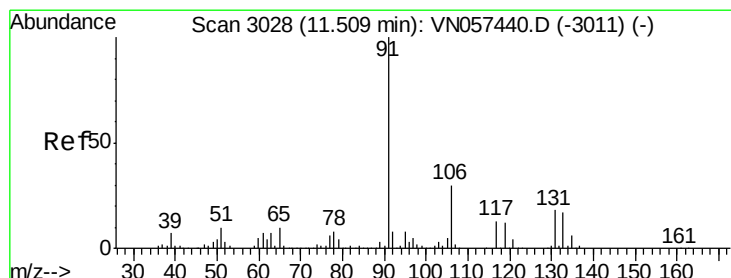
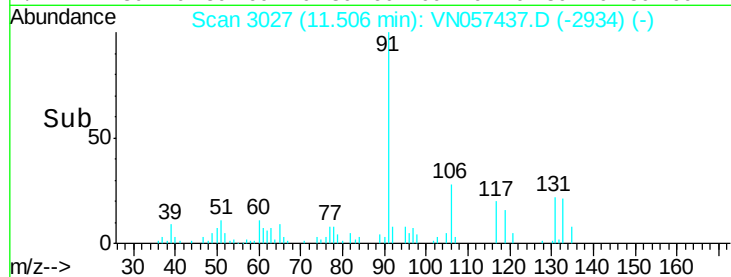
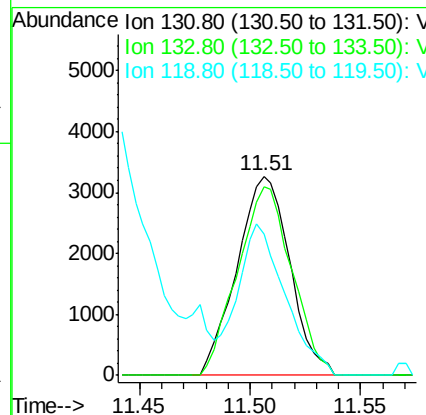
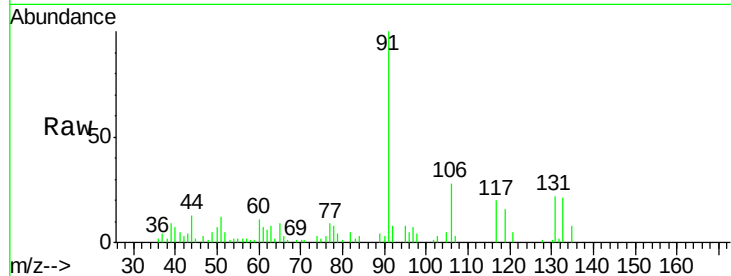
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.6	142.8
119	0.0	34.4	103.2#

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#67

Ethyl Benzene

Concen: 1.270 ug/l

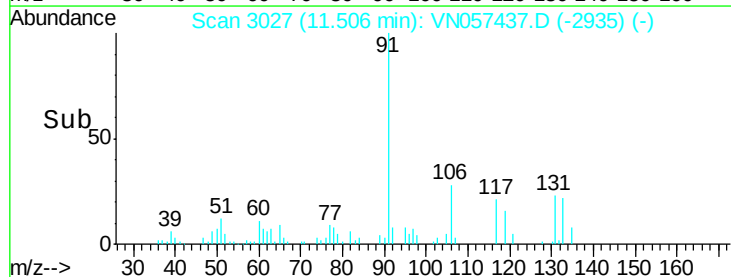
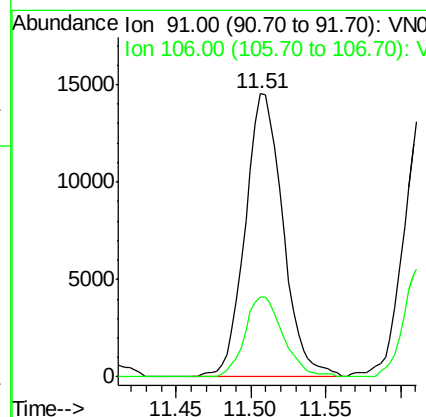
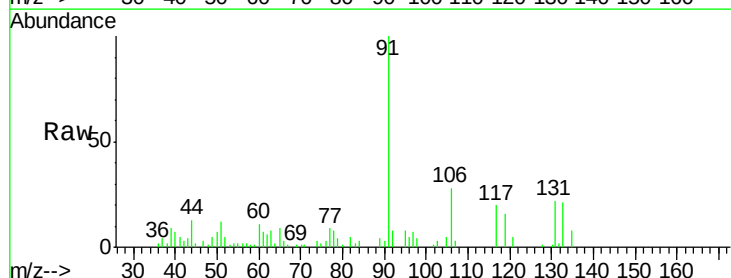
RT: 11.51 min Scan# 3027

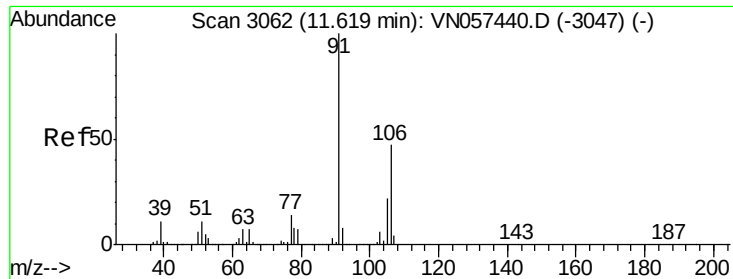
Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.1	36.1





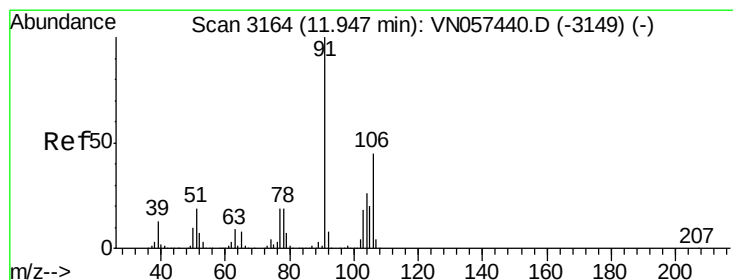
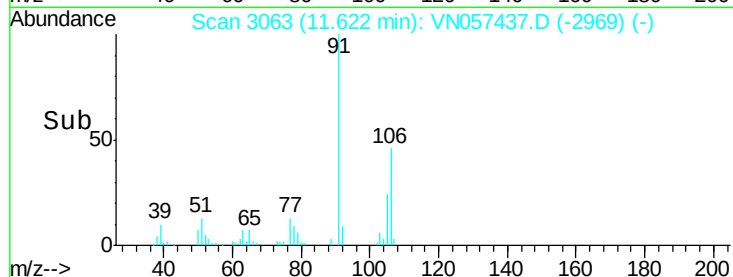
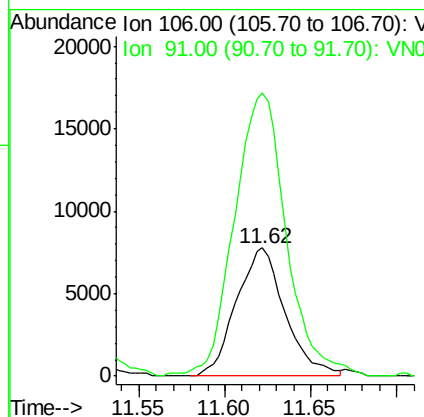
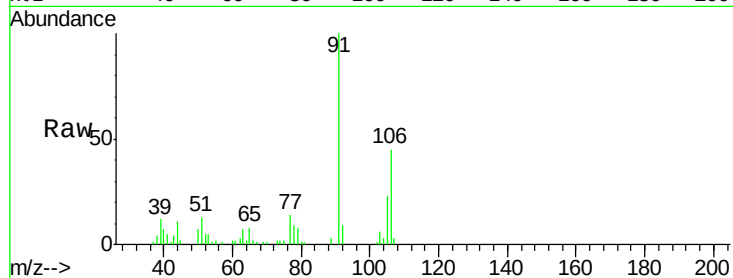
#68
m/p-Xylenes
Concen: 2.085 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 15285
Ion Ratio Lower Upper
106 100
91 235.7 171.8 257.6

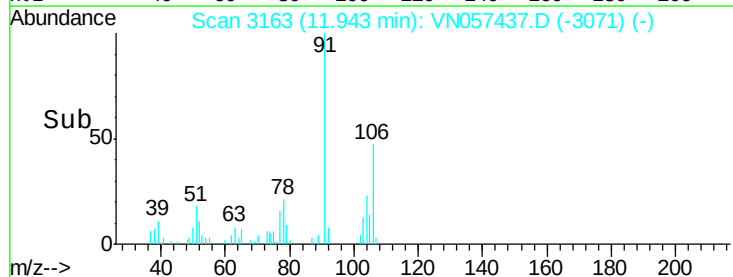
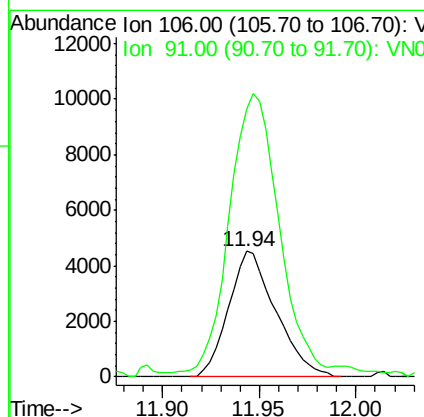
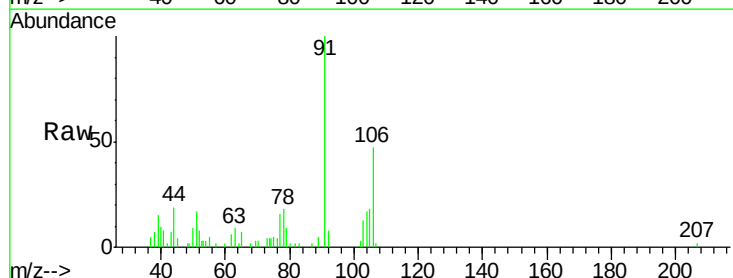
Manual Integrations
APPROVED

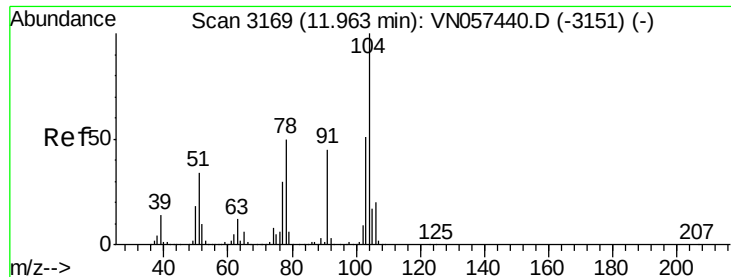
MMDadoda
8/23/2019 2:39:58 PM



#69
o-Xylene
Concen: 1.067 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion:106 Resp: 7687
Ion Ratio Lower Upper
106 100
91 228.7 112.3 336.9





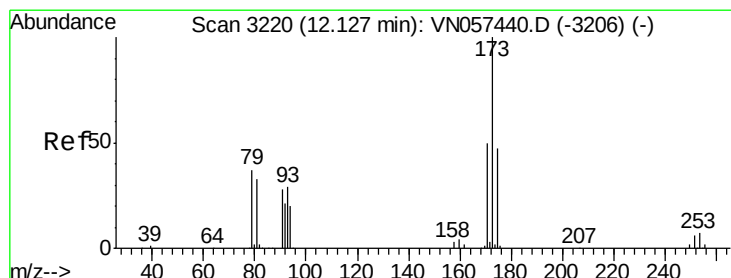
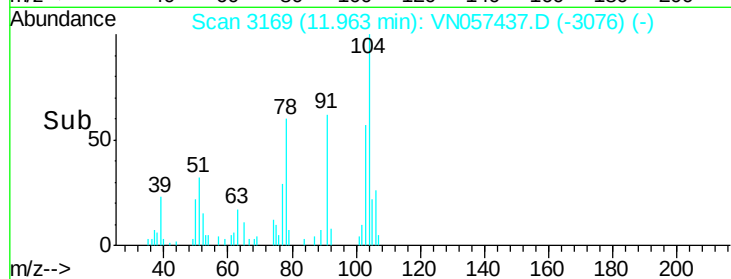
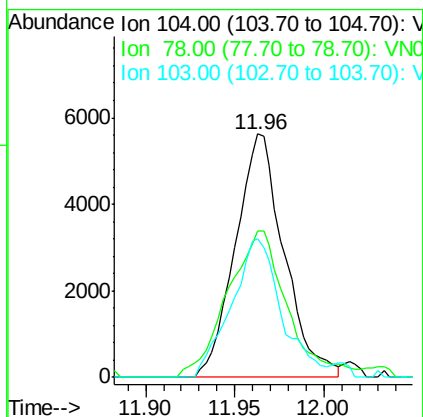
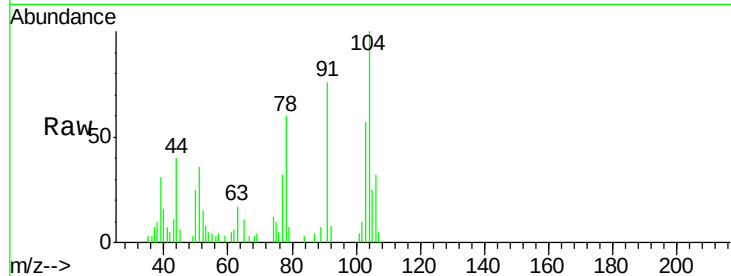
#70
Stvrene
Concen: 0.933 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	73.5	44.7	67.1#
103	58.7	44.4	66.6

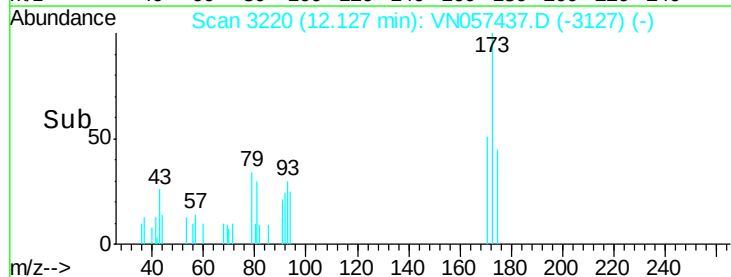
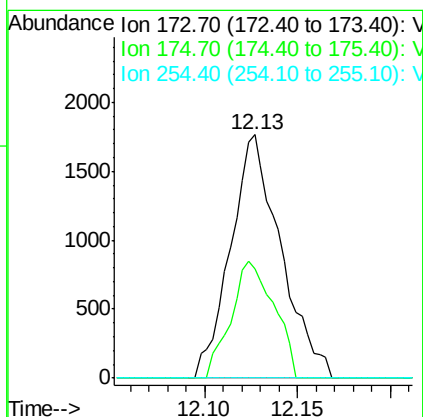
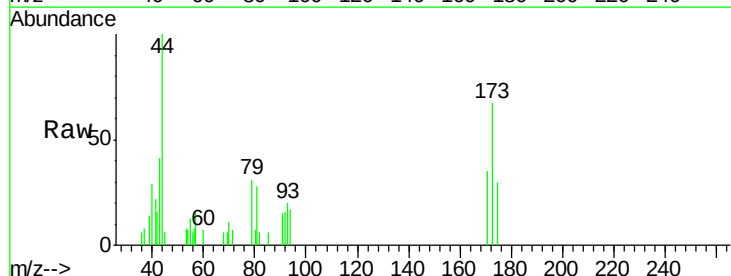
Manual Integrations
APPROVED

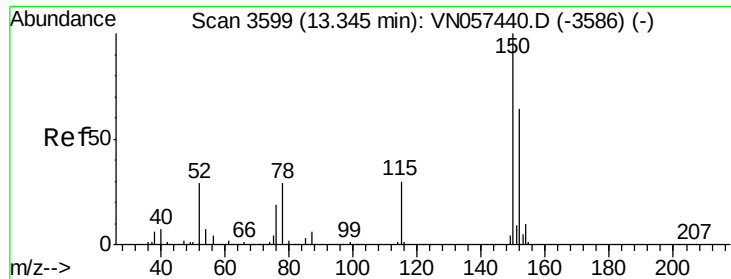
MMDadoda
8/23/2019 2:39:58 PM



#71
Bromoform
Concen: 1.001 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	41.3	23.9	71.8
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

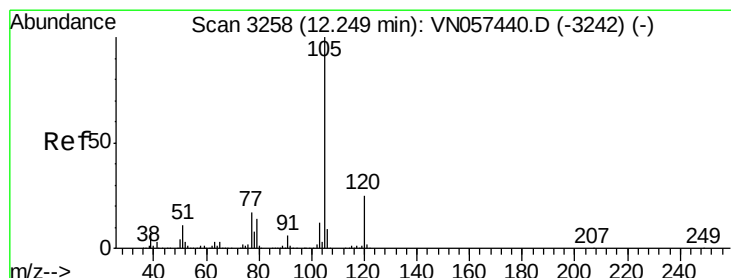
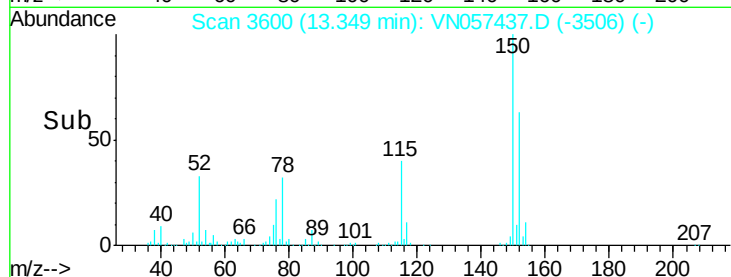
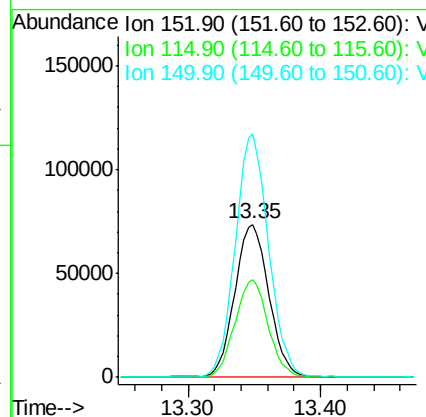
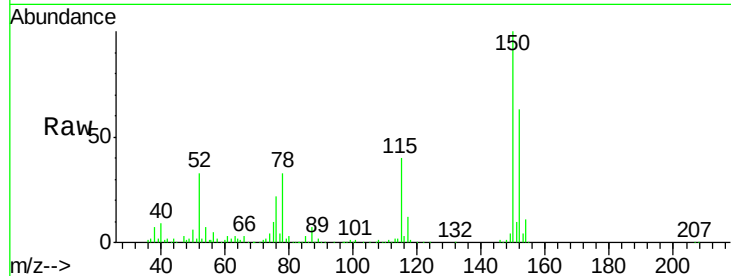
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.8	32.0	96.0
150	154.7	0.0	346.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#73

Isopropylbenzene

Concen: 1.656 ug/l

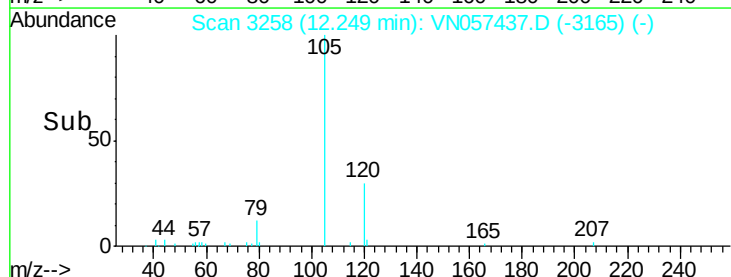
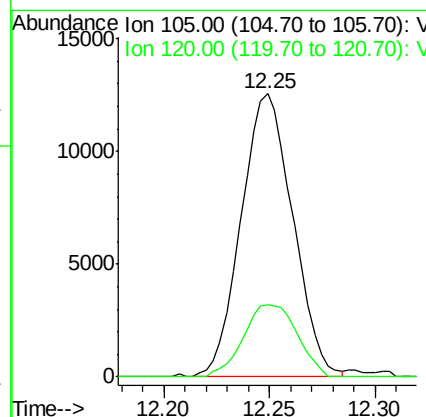
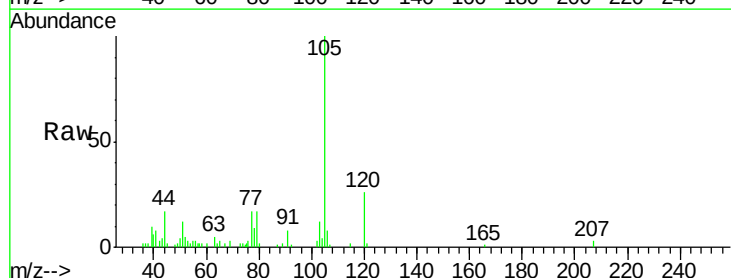
RT: 12.25 min Scan# 3258

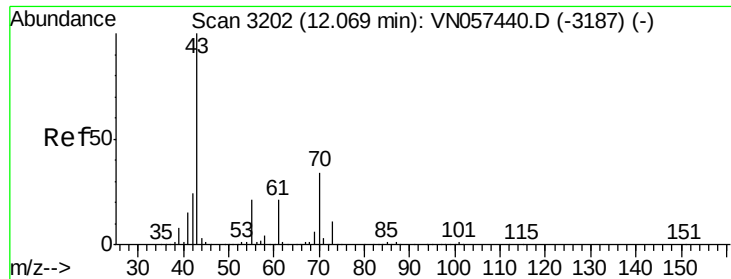
Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	12.7	38.0





#74

N-amvl acetate

Concen: 2.135 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

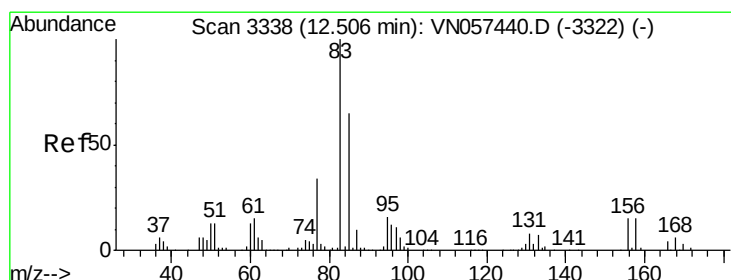
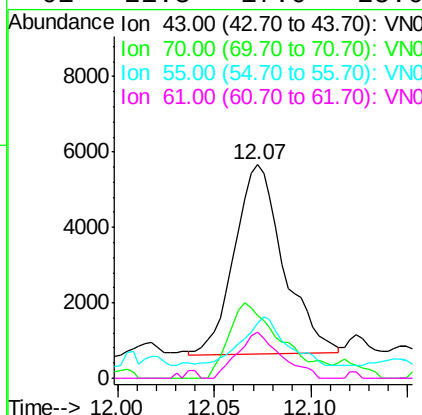
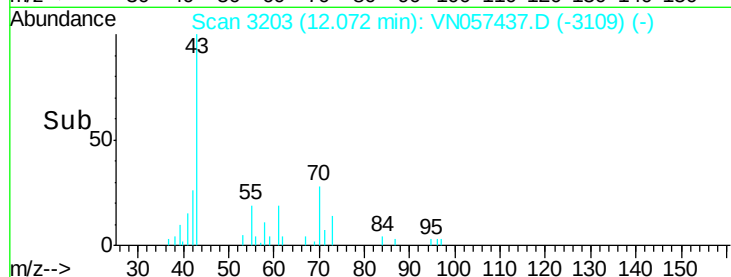
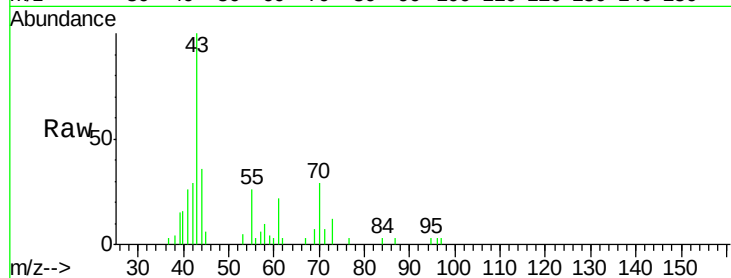
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	8887
Ion	Ratio	Lower	Upper
43	100		
70	43.1	27.8	41.6#
55	22.5	17.0	25.4
61	21.3	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 1.732 ug/l

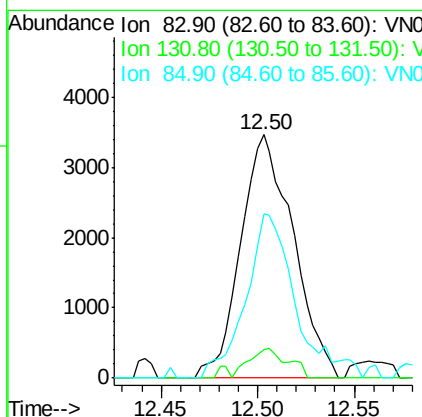
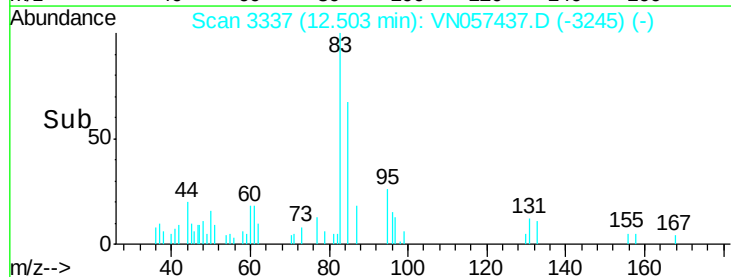
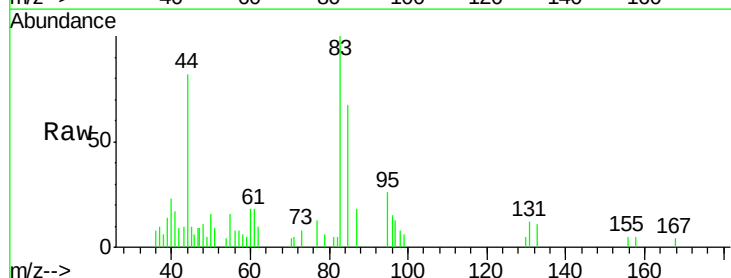
RT: 12.50 min Scan# 3337

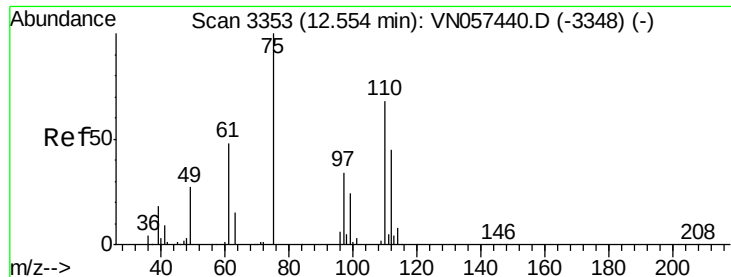
Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	83	Resp:	6535
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.3	13.1
85	61.6	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 1.002 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 3243

Ion Ratio Lower Upper

75 100

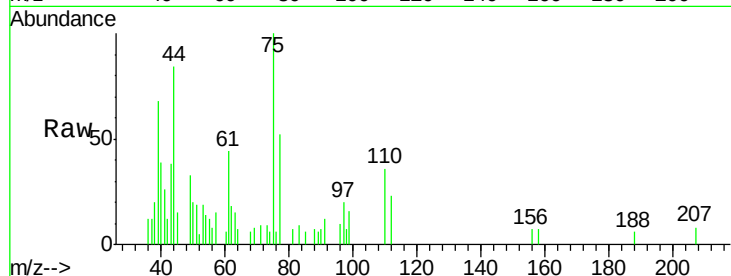
77 0.0 0.0 0.0

Manual Integrations

APPROVED

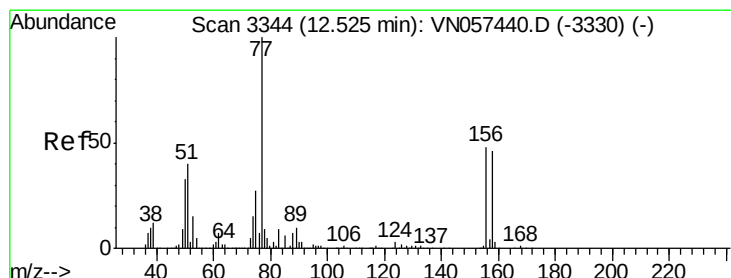
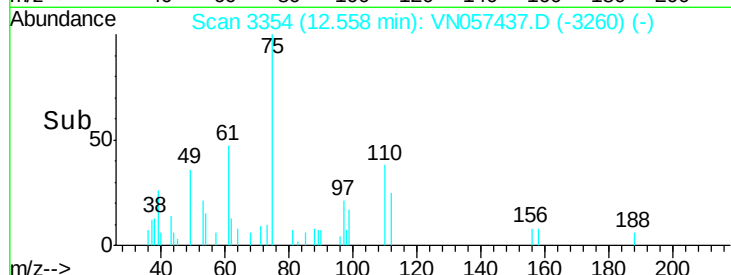
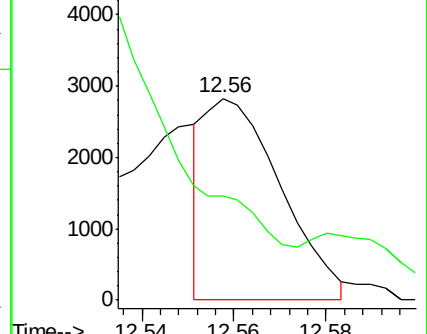
MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057440.D (-3348) (-)



#77

Bromobenzene

Concen: 1.254 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

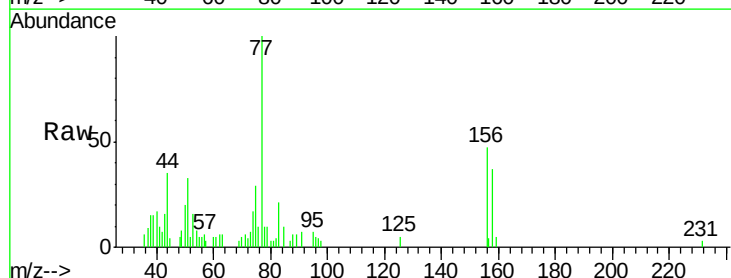
Tgt Ion: 156 Resp: 4082

Ion Ratio Lower Upper

156 100

77 268.7 124.4 373.3

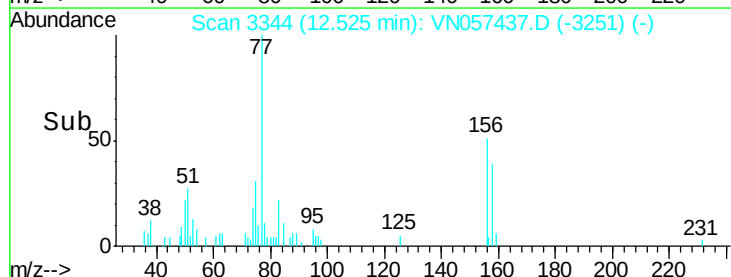
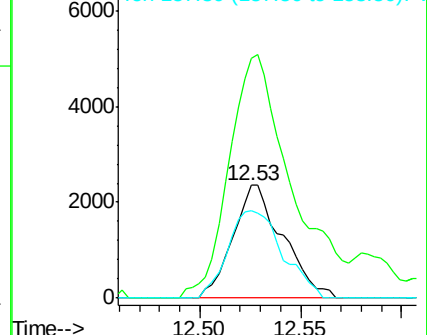
158 84.8 48.3 144.8

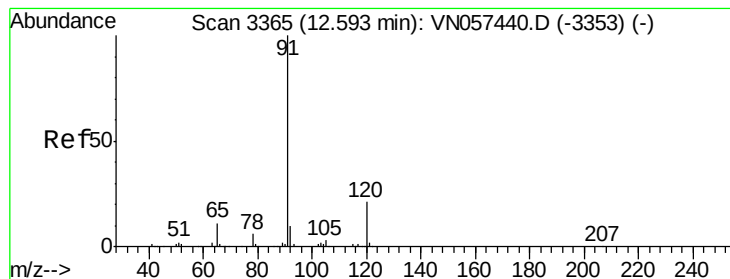


Abundance Ion 155.80 (155.50 to 156.50): VN057440.D (-3330) (-)

Ion 77.00 (76.70 to 77.70): VN057440.D (-3330) (-)

Ion 157.80 (157.50 to 158.50): VN057440.D (-3330) (-)





#78

n-propylbenzene

Concen: 1.584 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 20590

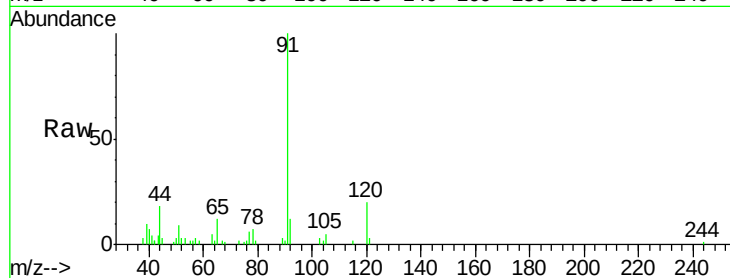
Ion Ratio Lower Upper

91 100

120 20.7 10.7 32.1

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

15000

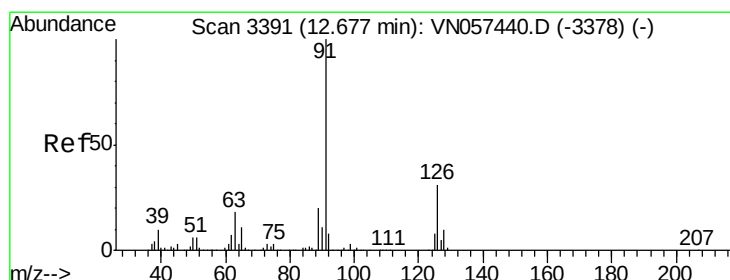
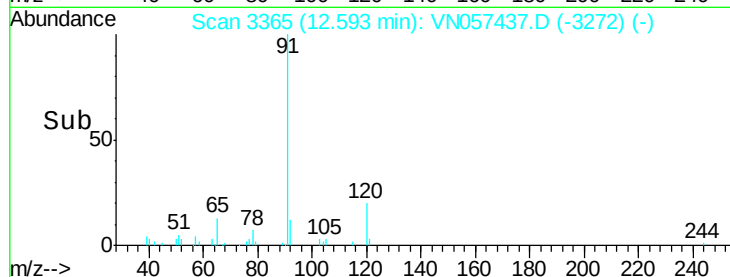
12.59

10000

5000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.446 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057437.D

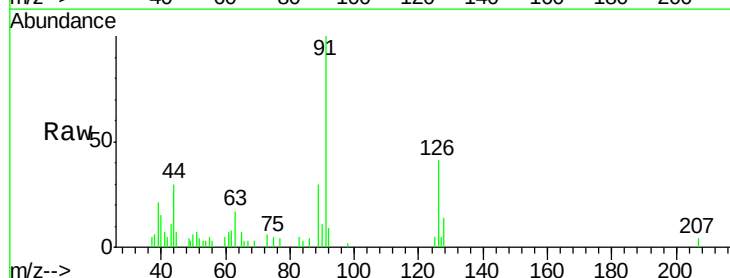
Acq: 22 Aug 2019 17:01

Tgt Ion: 91 Resp: 12005

Ion Ratio Lower Upper

91 100

126 38.8 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

6000

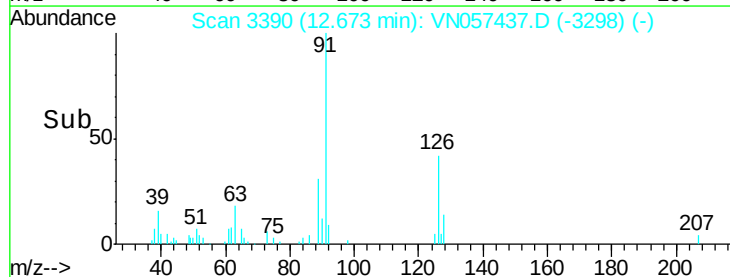
12.67

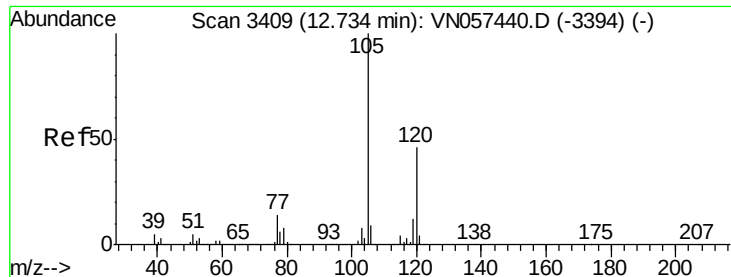
4000

2000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.533 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 15910

Ion Ratio Lower Upper

105 100

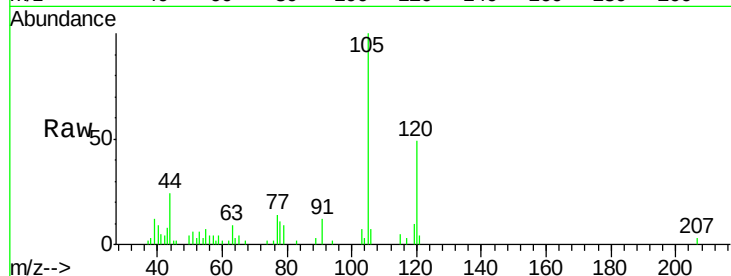
120 45.3 23.3 69.8

Manual Integrations

APPROVED

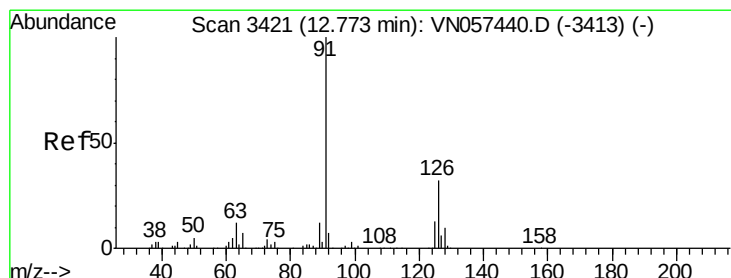
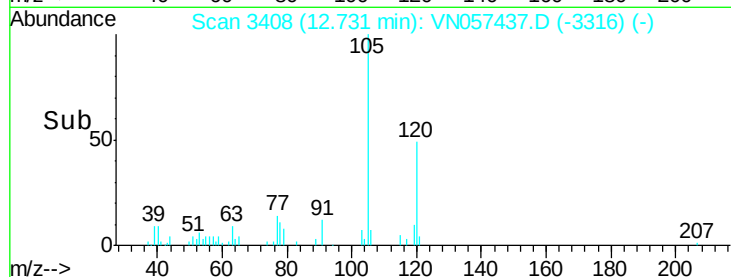
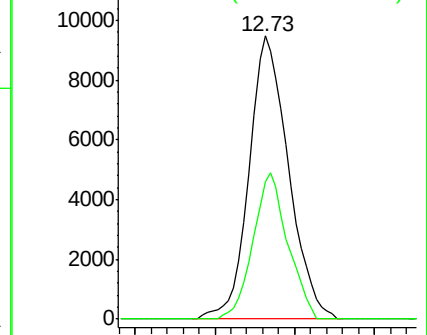
MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.460 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057437.D

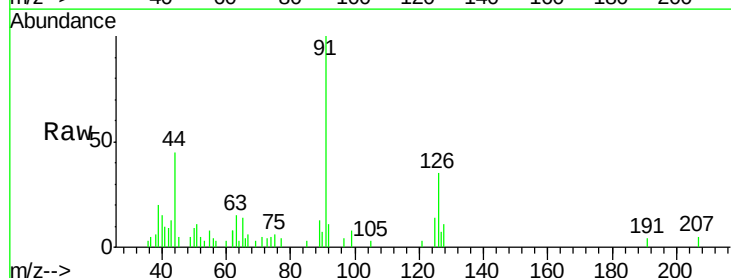
Acq: 22 Aug 2019 17:01

Tgt Ion: 91 Resp: 11195

Ion Ratio Lower Upper

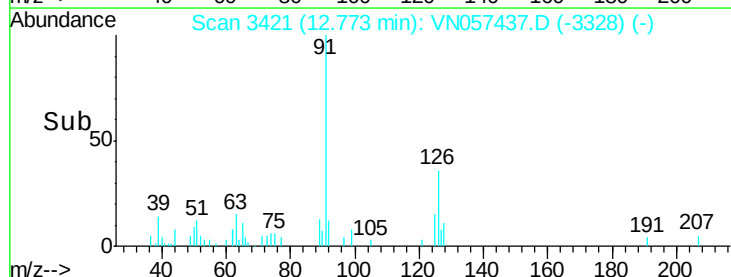
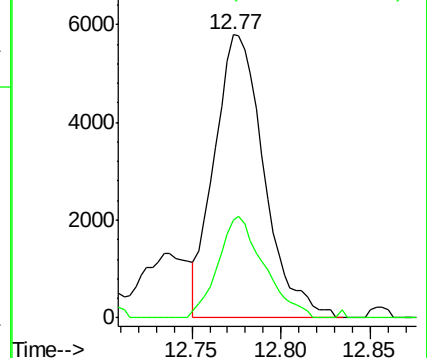
91 100

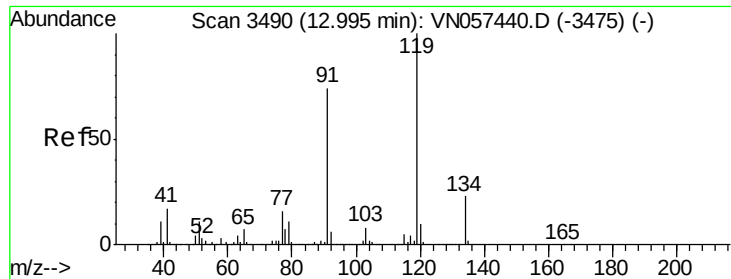
126 33.3 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





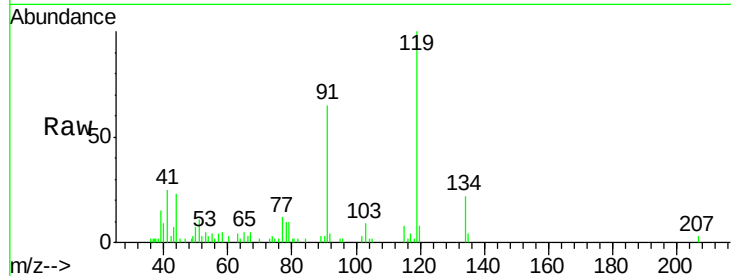
#83
 tert-Butylbenzene
 Concen: 1.594 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

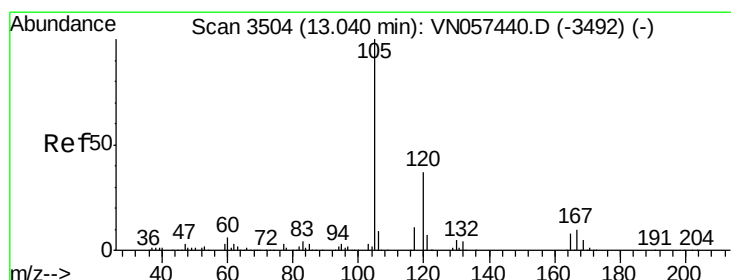
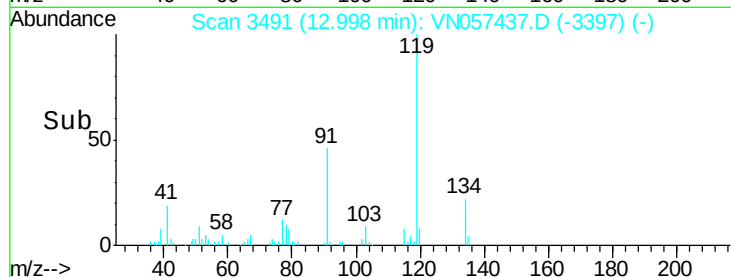
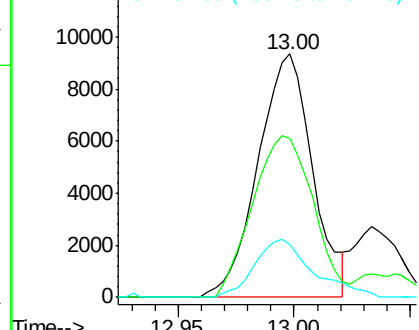
Tot Ion	Ratio	Lower	Upper
119	100		
91	74.1	37.0	111.0
134	25.5	12.2	36.6

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:39:58 PM

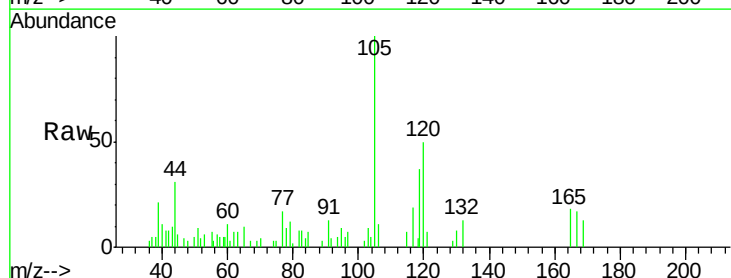


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

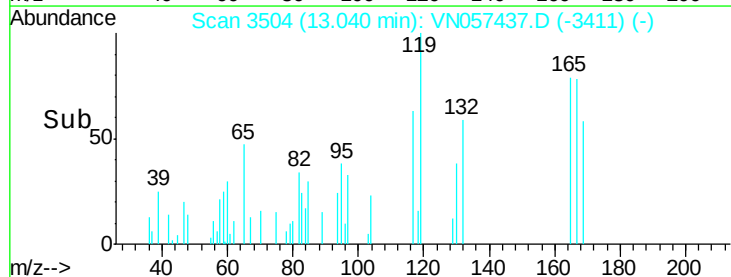
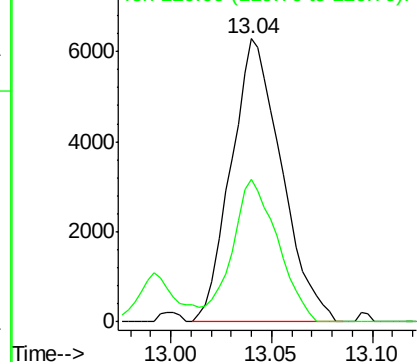


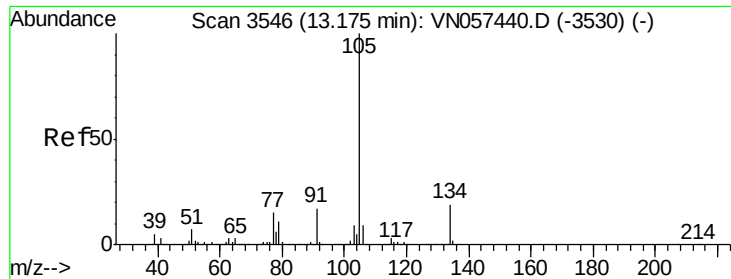
#84
 1,2,4-Trimethylbenzene
 Concen: 1.138 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.9	65.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.374 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 15866

Ion Ratio Lower Upper

105 100

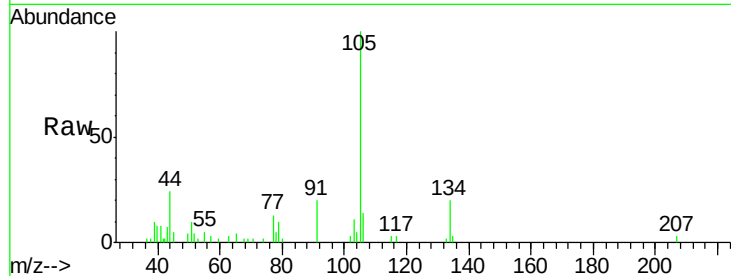
134 19.0 9.3 27.9

Manual Integrations

APPROVED

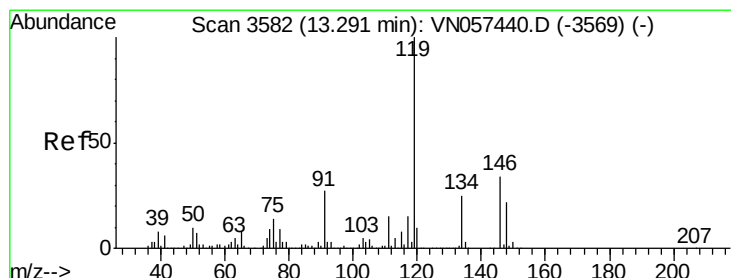
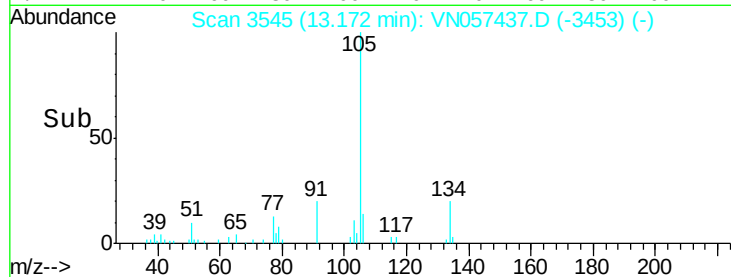
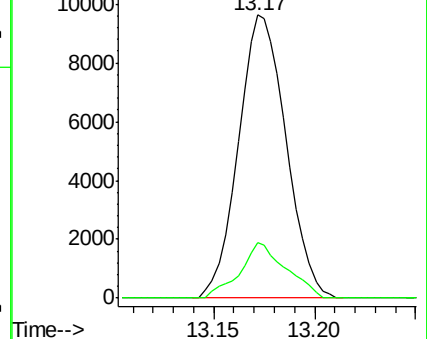
MMDadoda

8/23/2019 2:39:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.178 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

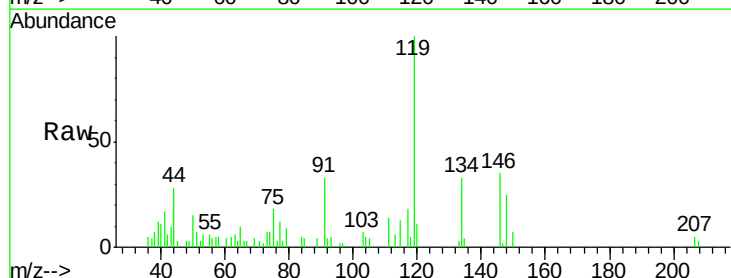
Tgt Ion:119 Resp: 11549

Ion Ratio Lower Upper

119 100

134 28.3 12.7 38.1

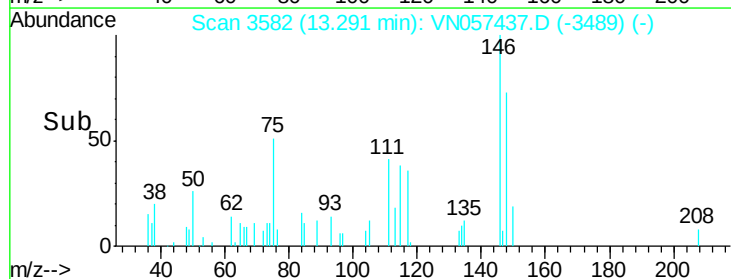
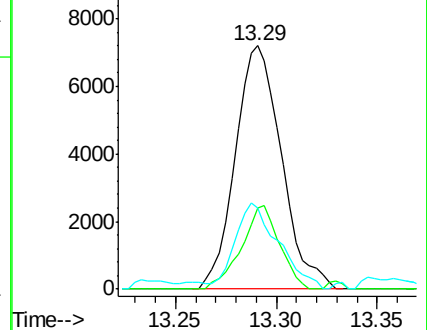
91 33.3 13.9 41.6

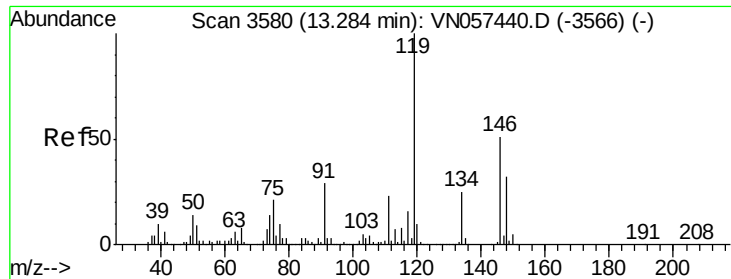


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





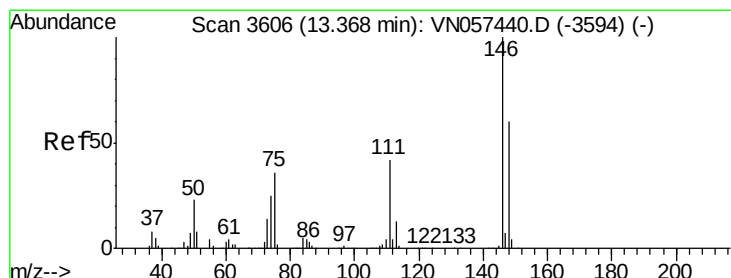
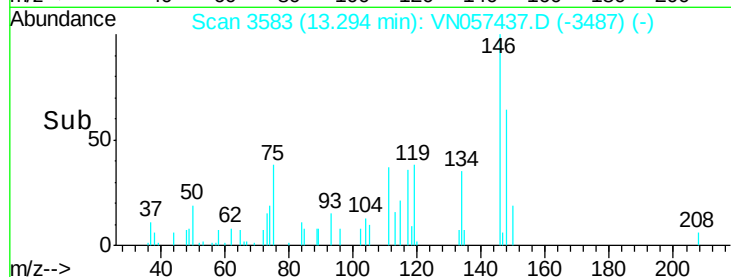
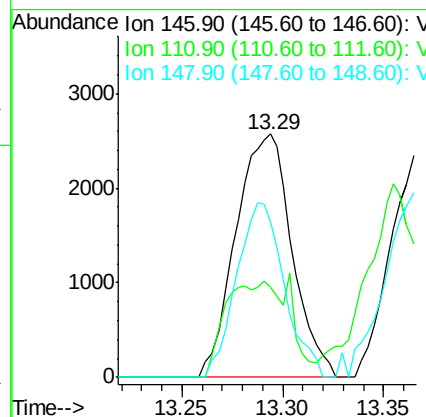
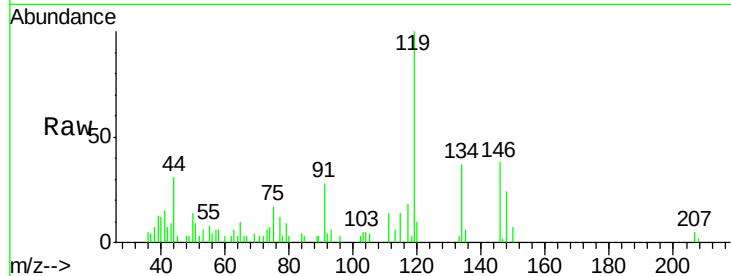
#87
 1,3-Dichlorobenzene
 Concen: 1.099 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	20.4	22.1	66.1#
148	61.2	31.9	95.9

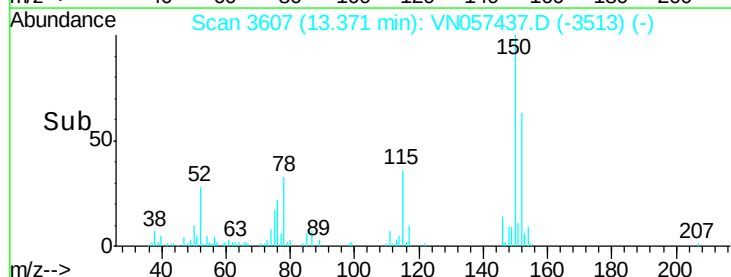
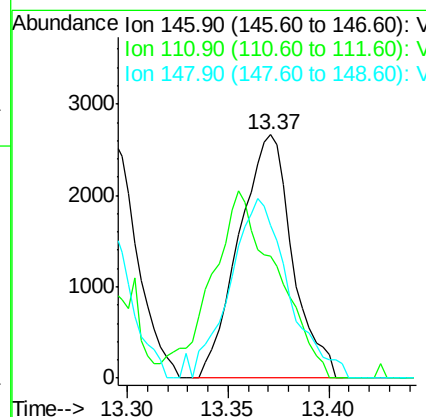
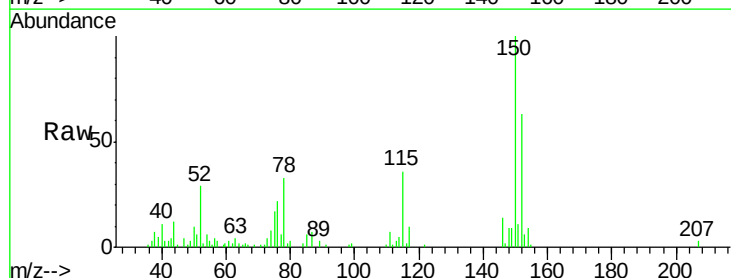
Manual Integrations
 APPROVED

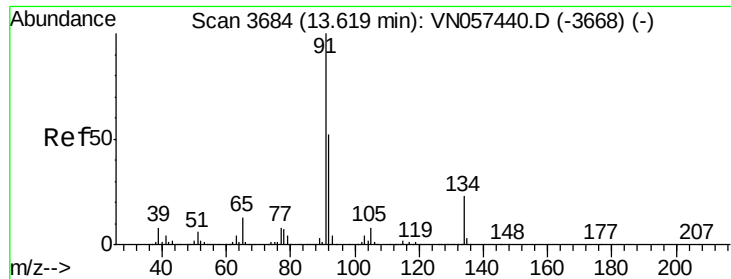
MMDadoda
 8/23/2019 2:39:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 1.138 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	93.4	21.9	65.5#
148	81.4	31.1	93.2





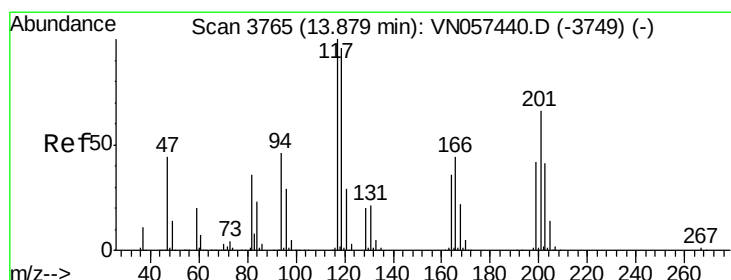
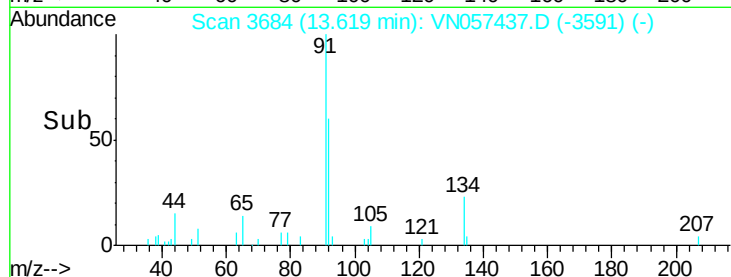
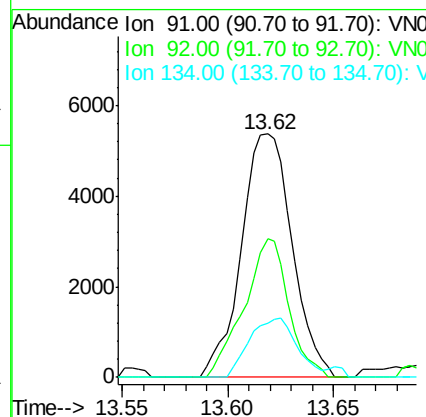
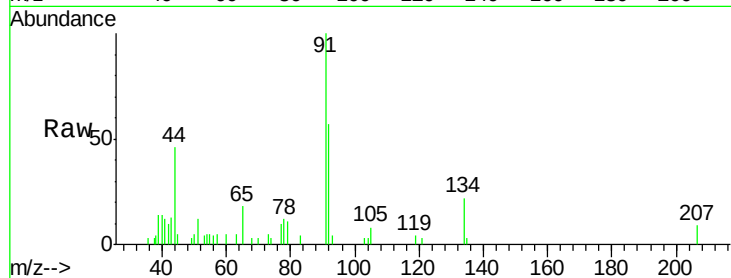
#89
n-Butylbenzene
Concen: 1.249 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.8	25.7	77.0
134	22.6	11.4	34.1

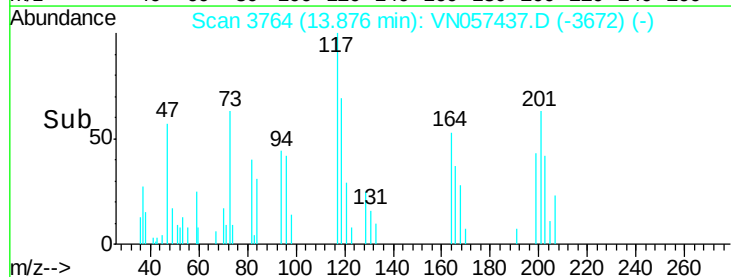
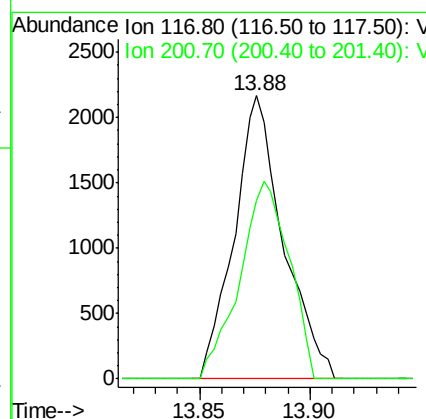
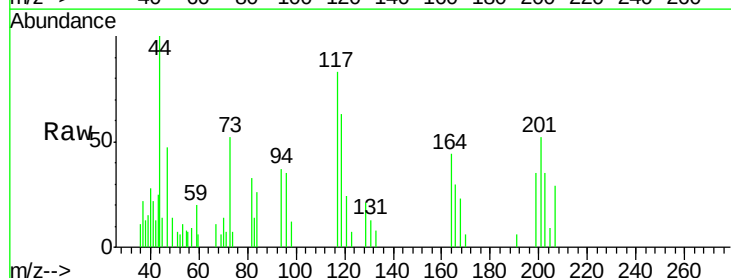
Manual Integrations
APPROVED

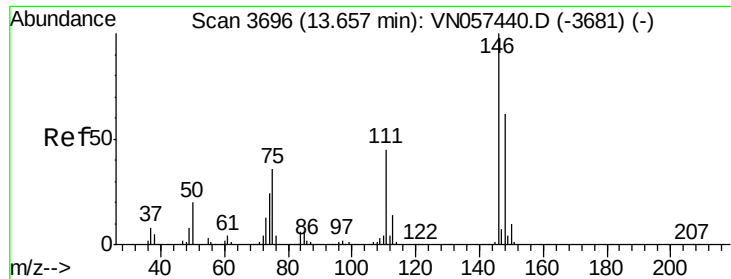
MMDadoda
8/23/2019 2:39:58 PM



#90
Hexachloroethane
Concen: 1.633 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057437.D
Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	33.1	99.3





#91

1,2-Dichlorobenzene

Concen: 1.034 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

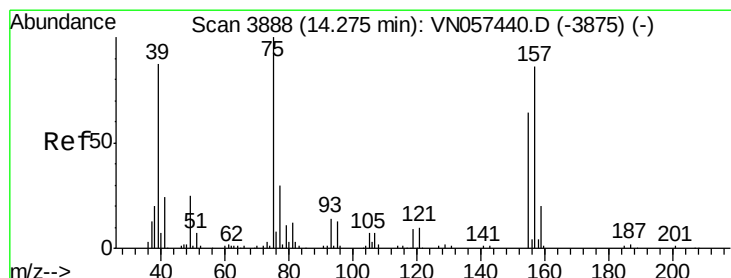
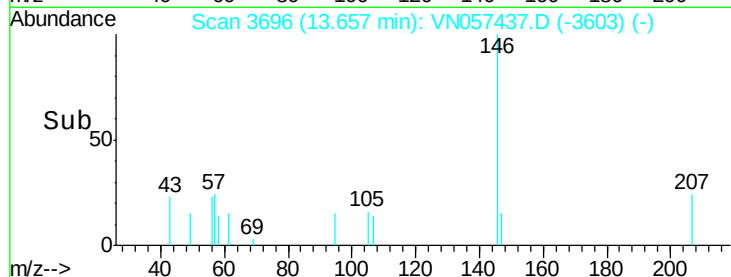
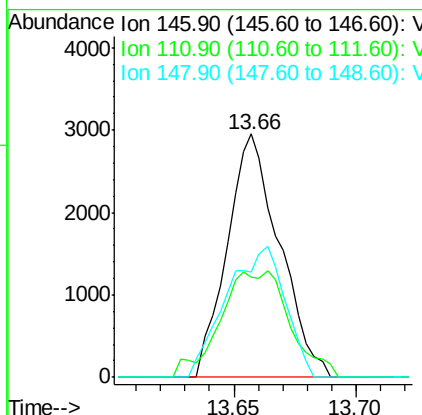
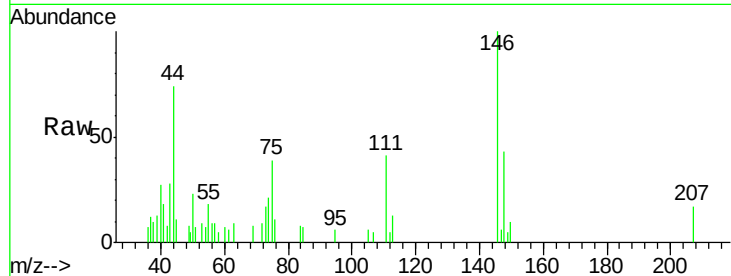
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	4389
Ion	Ratio	Lower	Upper
146	100		
111	57.9	23.1	69.2
148	60.4	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:39:58 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.943 ug/l m

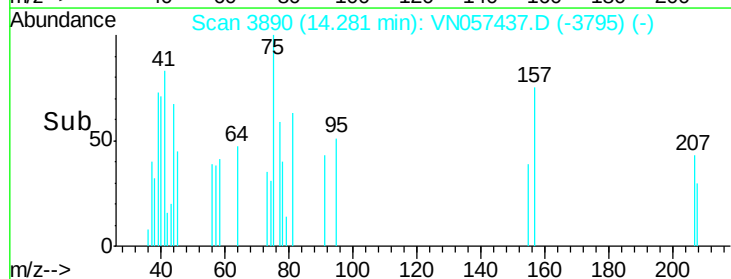
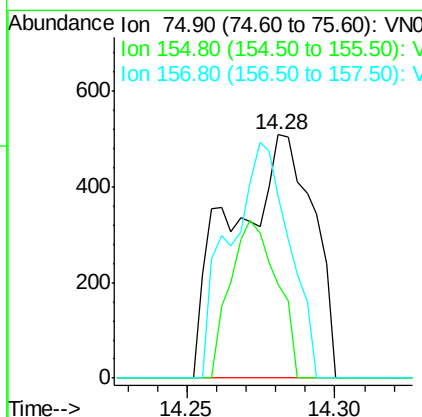
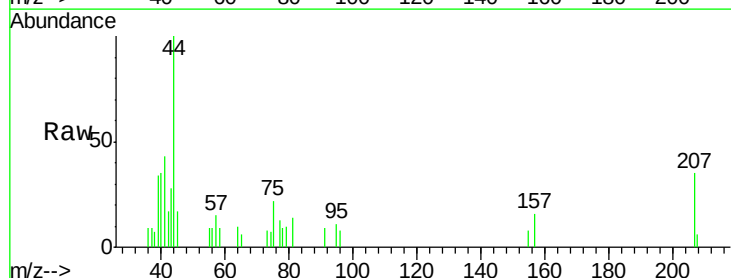
RT: 14.28 min Scan# 3890

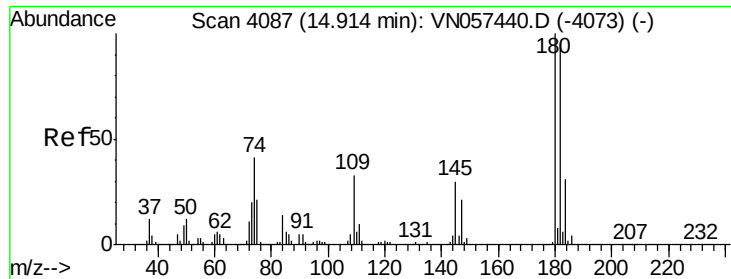
Delta R.T. 0.01 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	75	Resp:	966
Ion	Ratio	Lower	Upper
75	100		
155	37.5	31.6	94.7
157	71.0	43.3	129.8





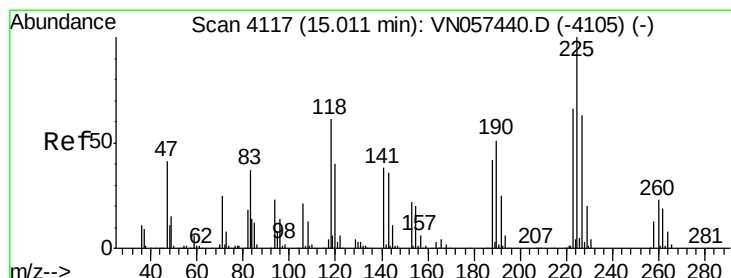
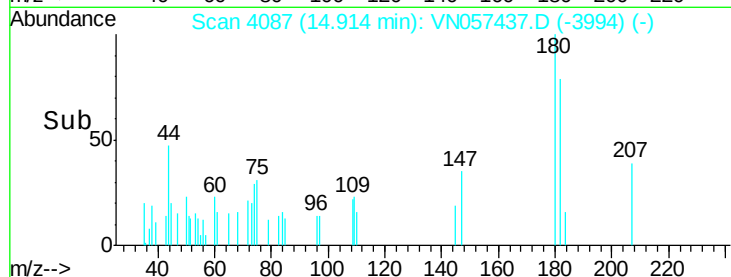
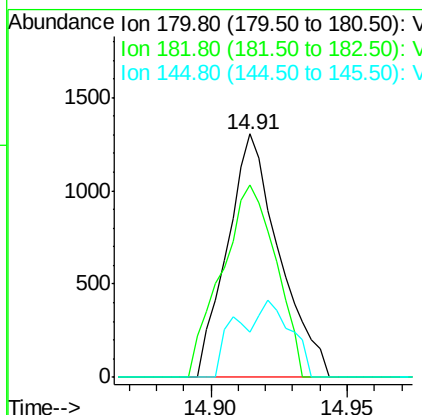
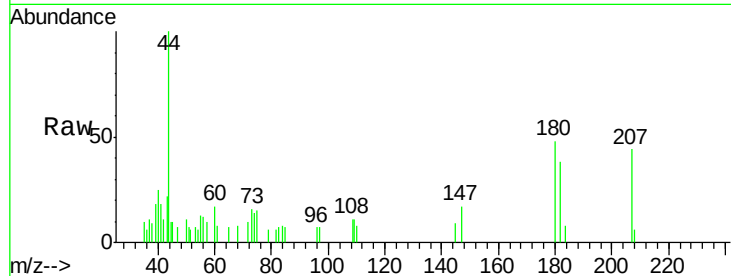
#93
 1,2,4-Trichlorobenzene
 Concen: 1.217 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.4	46.7	140.1
145	20.3	15.6	46.8

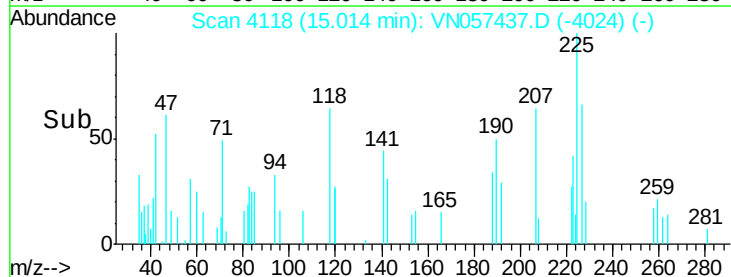
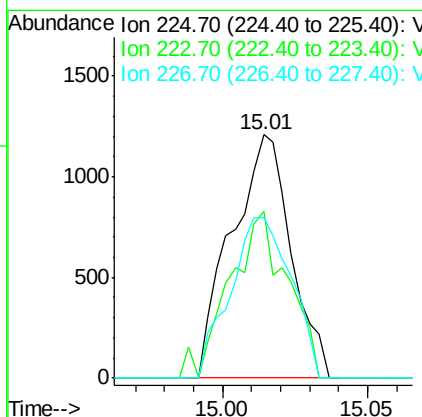
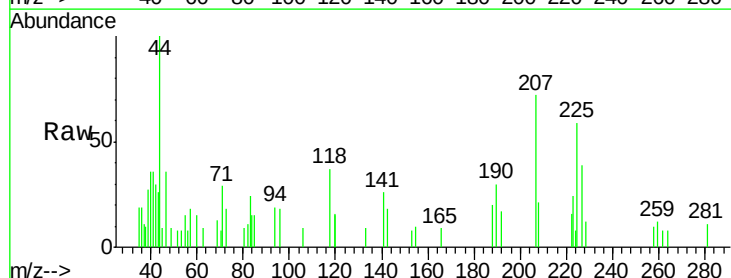
Manual Integrations
 APPROVED

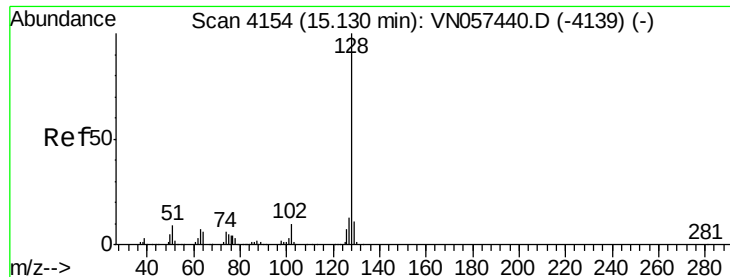
MMDadoda
 8/23/2019 2:39:58 PM



#94
 Hexachlorobutadiene
 Concen: 0.919 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057437.D
 Acq: 22 Aug 2019 17:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.4	32.0	96.2
227	67.5	31.5	94.5





#95

Naphthalene

Concen: 1.773 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Instrument :

MSVOA_N

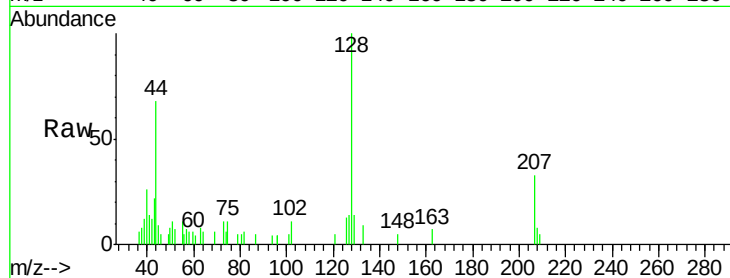
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	5846
Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.5	15.7#
129	10.8	8.6	13.0

Manual Integrations
APPROVED

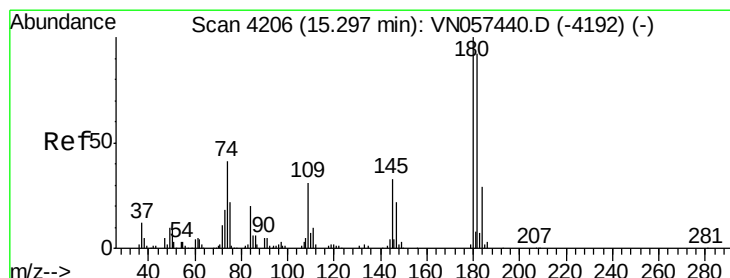
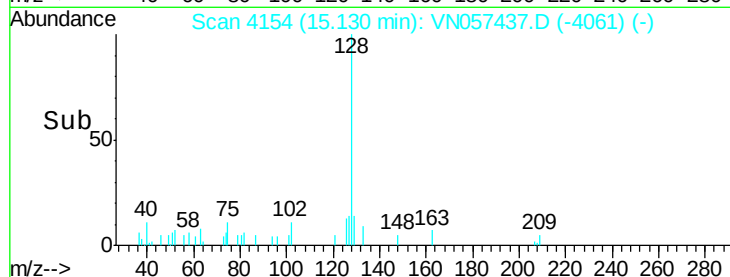
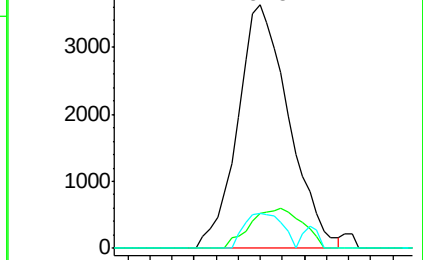
MMDadoda
8/23/2019 2:39:58 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.558 ug/l

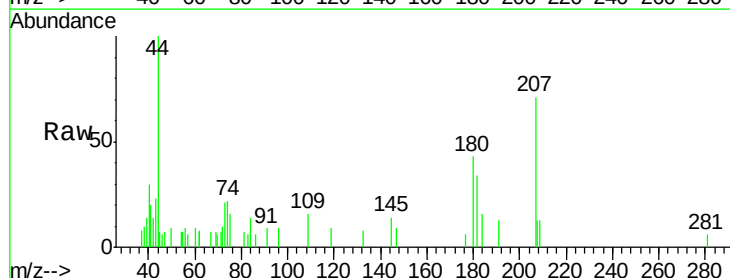
RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057437.D

Acq: 22 Aug 2019 17:01

Tgt Ion:	180	Resp:	2120
Ion	Ratio	Lower	Upper
180	100		
182	46.5	46.7	140.1#
145	18.7	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

