

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064365.D
 Acq On : 29 Oct 2020 10:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:35:27 PM

Quant Time: Oct 30 06:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	277819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	436566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	206079	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
35) Dibromofluoromethane	7.54	113	150692	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.06	98	539688	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.37	95	207267	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	164616	51.547	ug/l	99
3) Chloromethane	2.04	50	169970	49.236	ug/l	100
4) Vinyl Chloride	2.16	62	174097	52.138	ug/l	97
5) Bromomethane	2.53	94	101288	46.944	ug/l	96
6) Chloroethane	2.67	64	102798	51.521	ug/l	98
7) Trichlorofluoromethane	2.98	101	293080	52.392	ug/l	98
8) Diethyl Ether	3.37	74	92895	52.495	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	143595	51.073	ug/l	99
10) Methyl Iodide	3.91	142	166334	44.333	ug/l	99
11) Tert butyl alcohol	4.73	59	140946	217.477	ug/l	99
12) 1,1-Dichloroethene	3.70	96	136249	51.333	ug/l	93
13) Acrolein	3.56	56	32728	233.928	ug/l	97
14) Allyl chloride	4.27	41	278547	51.396	ug/l	98
15) Acrylonitrile	4.93	53	360842	258.907	ug/l	99
16) Acetone	3.77	43	427693	281.933	ug/l	98
17) Carbon Disulfide	4.01	76	396718	50.518	ug/l	98
18) Methyl Acetate	4.27	43	159834	47.658	ug/l	96
19) Methyl tert-butyl Ether	4.98	73	536688	52.626	ug/l	97
20) Methylene Chloride	4.50	84	162899	51.449	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	154940	52.328	ug/l	95
22) Diisopropyl ether	5.90	45	565746	53.406	ug/l	96
23) Vinyl Acetate	5.84	43	2440026	272.258	ug/l	100
24) 1,1-Dichloroethane	5.79	63	301751	50.905	ug/l	99
25) 2-Butanone	6.78	43	558257	249.039	ug/l	97
26) 2,2-Dichloropropane	6.77	77	302326	52.113	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	182312	53.802	ug/l	100
28) Bromochloromethane	7.15	49	135061	47.823	ug/l	96
29) Tetrahydrofuran	7.16	42	349910	240.445	ug/l	100
30) Chloroform	7.33	83	328549	51.927	ug/l	99
31) Cyclohexane	7.61	56	215730	41.635	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	307357	50.588	ug/l	99
36) 1,1-Dichloropropene	7.75	75	237185	53.833	ug/l	99
37) Ethyl Acetate	6.88	43	231123	51.932	ug/l	99
38) Carbon Tetrachloride	7.73	117	274016	53.645	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064365.D
 Acq On : 29 Oct 2020 10:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:35:27 PM

Quant Time: Oct 30 06:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	176923	40.498	ug/l	99
40) Benzene	8.00	78	653726	53.304	ug/l	100
41) Methacrylonitrile	7.12	41	107995	48.884	ug/l	97
42) 1,2-Dichloroethane	8.08	62	284967	53.790	ug/l	100
43) Isopropyl Acetate	8.12	43	413936	54.410	ug/l	100
44) Trichloroethene	8.80	130	180492	56.180	ug/l	99
45) 1,2-Dichloropropane	9.08	63	175199	53.347	ug/l	99
46) Dibromomethane	9.17	93	126573	55.091	ug/l	97
47) Bromodichloromethane	9.37	83	268778	52.788	ug/l	98
48) Methyl methacrylate	9.16	41	206196	52.533	ug/l	98
49) 1,4-Dioxane	9.16	88	52014	899.067	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1151042	260.285	ug/l	100
52) Toluene	10.12	92	413043	53.372	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	303941	56.456	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	308436	55.655	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	166829	54.612	ug/l	99
56) Ethyl methacrylate	10.40	69	258327	55.863	ug/l	99
57) 1,3-Dichloropropane	10.68	76	287008	55.078	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	584531	231.643	ug/l	98
59) 2-Hexanone	10.72	43	864167	265.328	ug/l	99
60) Dibromochloromethane	10.87	129	207580	57.472	ug/l	100
61) 1,2-Dibromoethane	10.97	107	174394	56.028	ug/l	97
64) Tetrachloroethene	10.60	164	156180	48.794	ug/l	99
65) Chlorobenzene	11.40	112	449850	56.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	179591	56.278	ug/l	99
67) Ethyl Benzene	11.48	91	790353	53.844	ug/l	98
68) m/p-Xylenes	11.59	106	587021	107.914	ug/l	98
69) o-Xylene	11.92	106	284506	54.288	ug/l	95
70) Styrene	11.94	104	493078	57.384	ug/l	99
71) Bromoform	12.10	173	141603	56.538	ug/l #	98
73) Isopropylbenzene	12.22	105	691323	54.005	ug/l	99
74) N-amyl acetate	12.04	43	360822	64.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221256	59.462	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	229090m	55.971	ug/l	
77) Bromobenzene	12.50	156	191342	61.041	ug/l	97
78) n-propylbenzene	12.56	91	753525	51.993	ug/l	99
79) 2-Chlorotoluene	12.65	91	507247	54.752	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	555464	51.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	85965	60.499	ug/l	96
82) 4-Chlorotoluene	12.75	91	537213	56.921	ug/l	98
83) tert-Butylbenzene	12.97	119	425671	47.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	573032	52.945	ug/l	99
85) sec-Butylbenzene	13.14	105	534441	46.465	ug/l	99
86) p-Isopropyltoluene	13.26	119	498658	48.123	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	309006	56.310	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	314528	56.274	ug/l	99
89) n-Butylbenzene	13.59	91	425578	46.620	ug/l	98
90) Hexachloroethane	13.85	117	95042	48.837	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	307940	56.443	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	50901	55.130	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
Data File : VN064365.D
Acq On : 29 Oct 2020 10:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

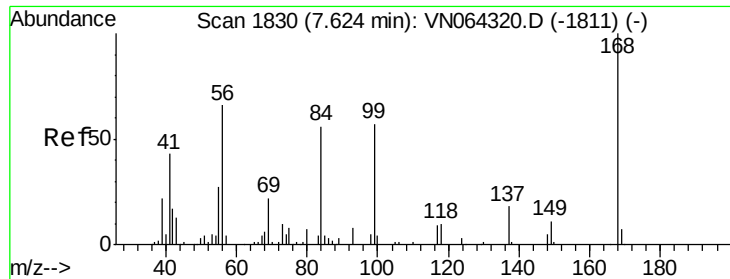
Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM

Quant Time: Oct 30 06:36:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	146371	46.815	ug/l	96
94) Hexachlorobutadiene	14.98	225	69931	41.769	ug/l	98
95) Naphthalene	15.10	128	482022	49.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	143483	47.583	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 277819

Ion Ratio Lower Upper

168 100

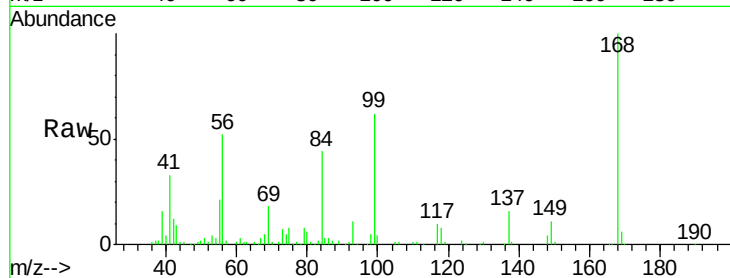
99 61.4 52.7 79.1

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

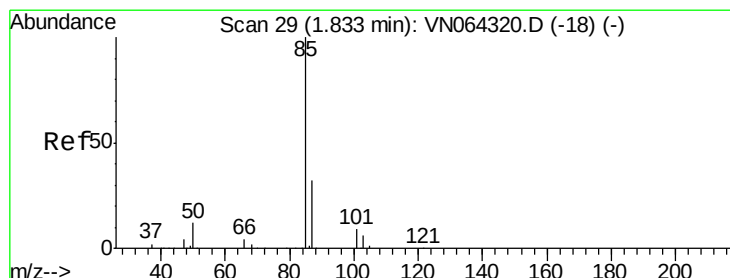
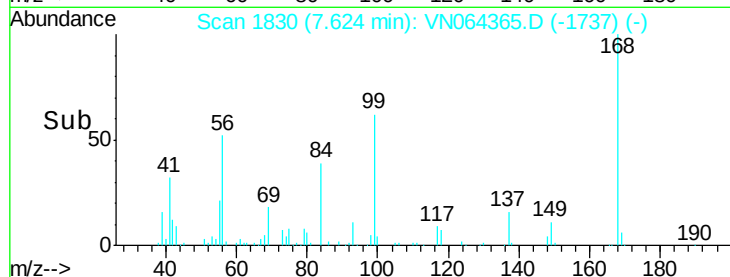
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 51.547 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064365.D

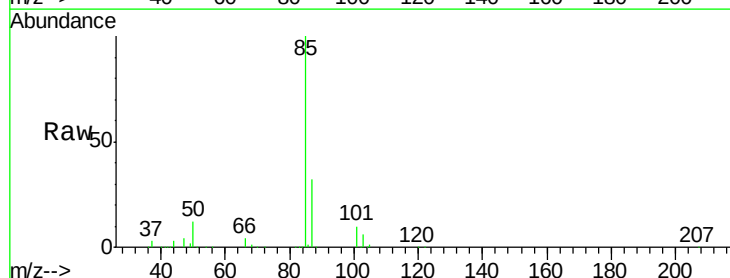
Acq: 29 Oct 2020 10:59

Tgt Ion: 85 Resp: 164616

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

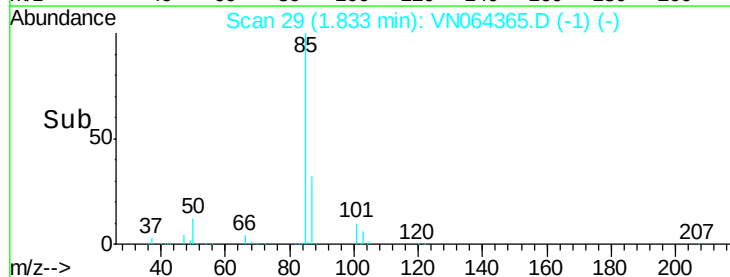
1.83

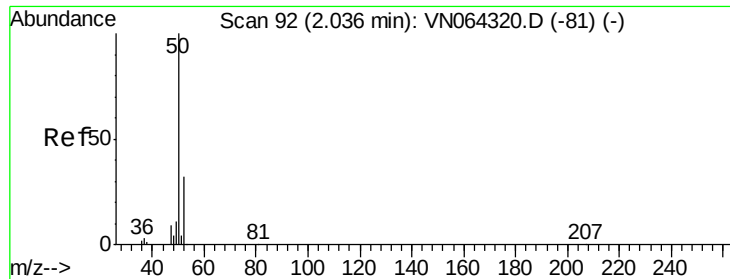
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





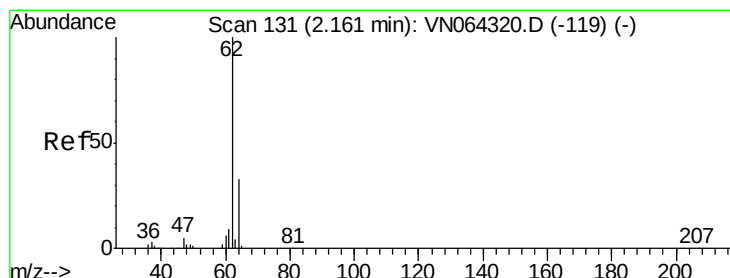
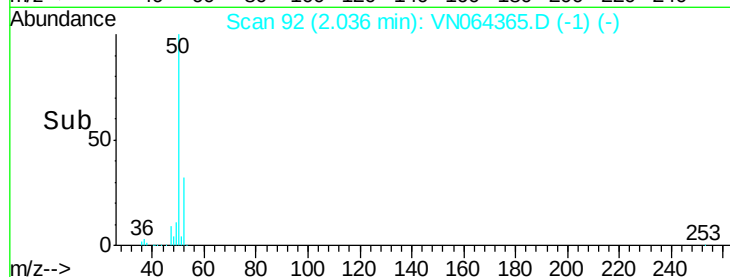
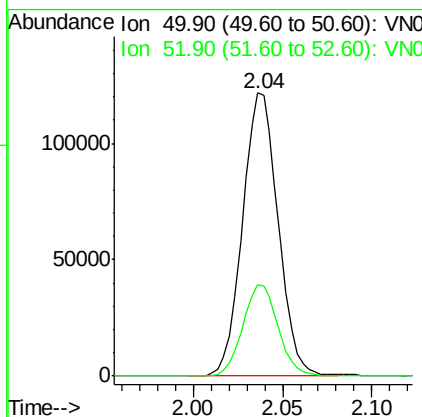
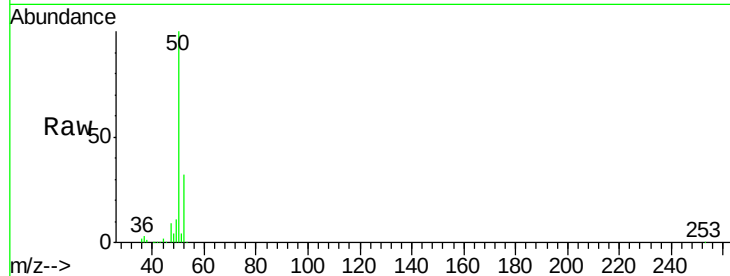
#3
Chloromethane
Concen: 49.236 ug/l
RT: 2.04 min Scan# 92
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	50	Resp	169970
Ion Ratio	50	100	
Lower	25.6		
Upper	38.4		

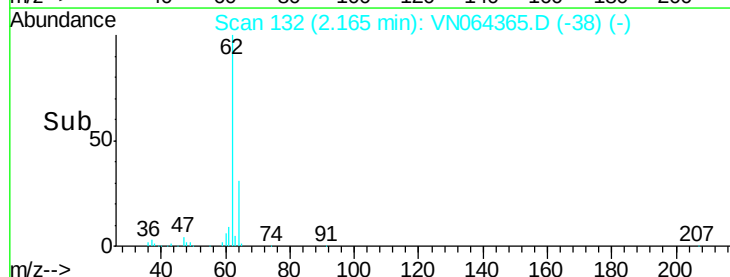
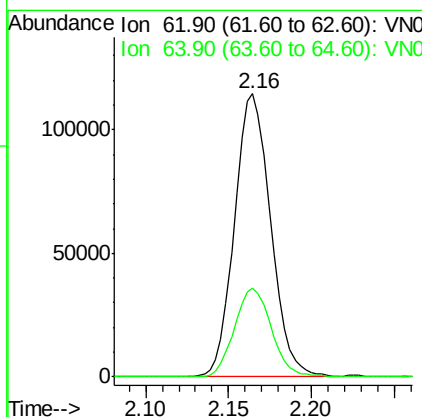
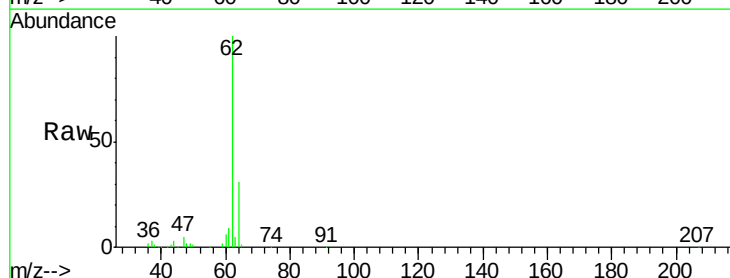
Manual Integrations
APPROVED

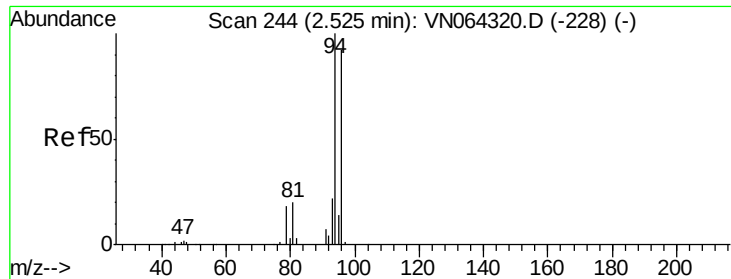
MMDadoda
10/30/2020 1:35:27 PM



#4
Vinyl Chloride
Concen: 52.138 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	62	Resp	174097
Ion Ratio	62	100	
Lower	26.2		
Upper	39.4		





#5

Bromomethane

Concen: 46.944 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 101288

Ion Ratio Lower Upper

94 100

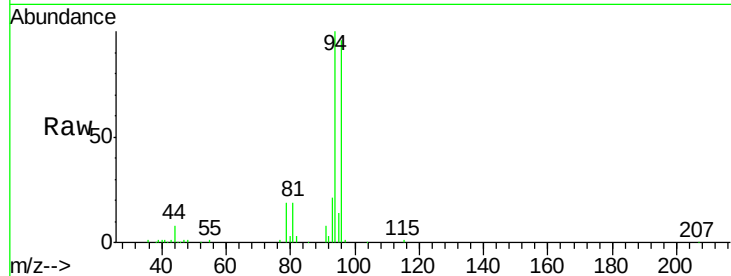
96 95.6 73.6 110.4

Manual Integrations

APPROVED

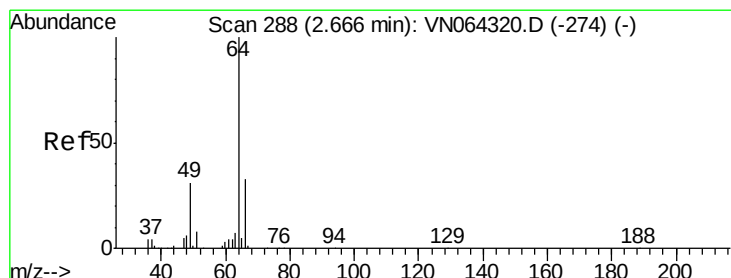
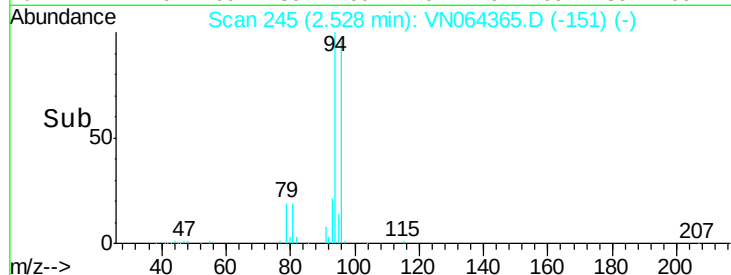
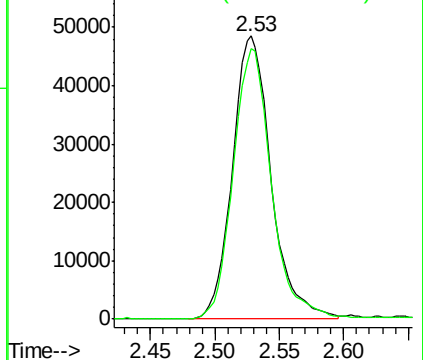
MMDadoda

10/30/2020 1:35:27 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.521 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064365.D

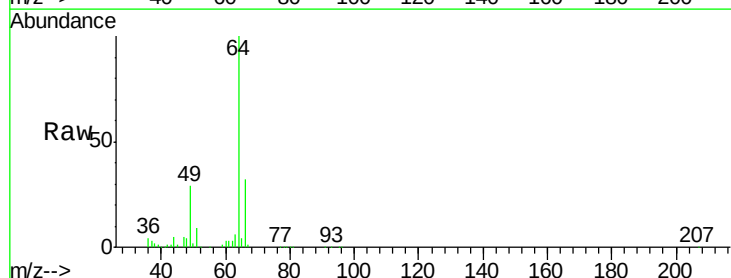
Acq: 29 Oct 2020 10:59

Tgt Ion: 64 Resp: 102798

Ion Ratio Lower Upper

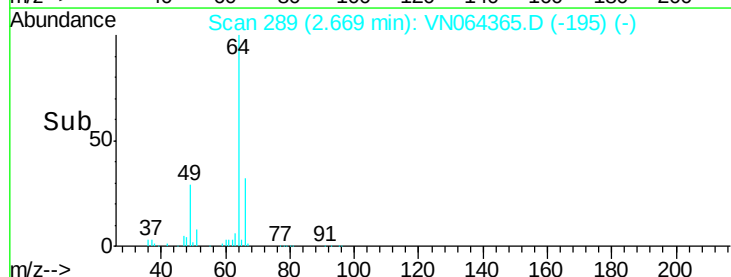
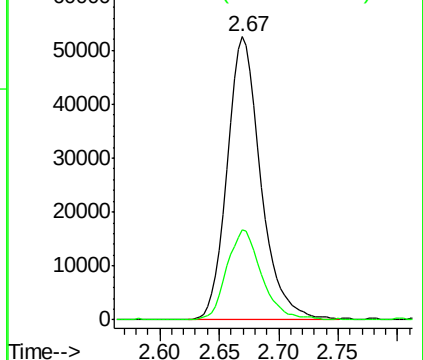
64 100

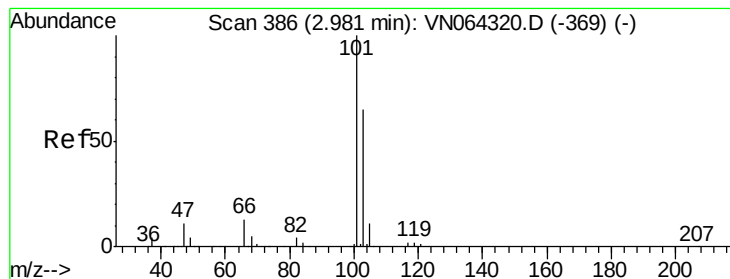
66 31.8 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

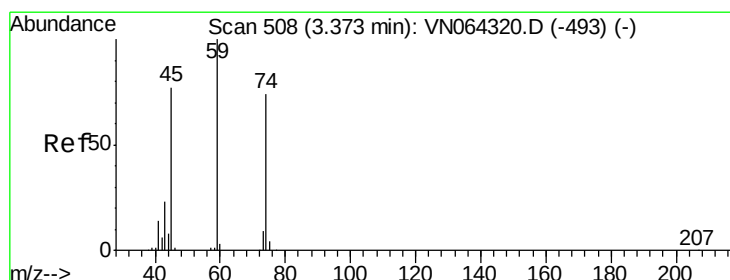
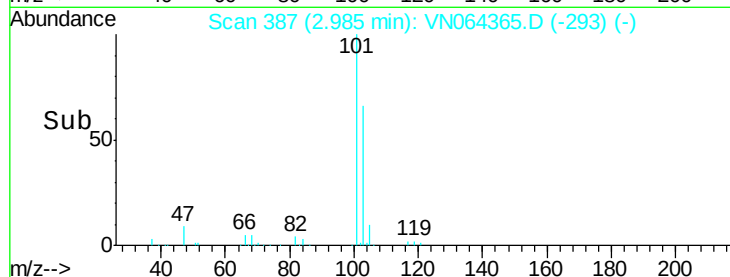
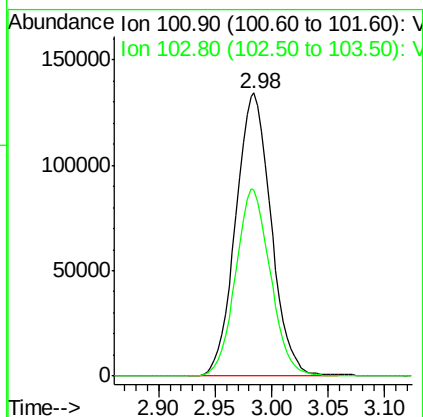
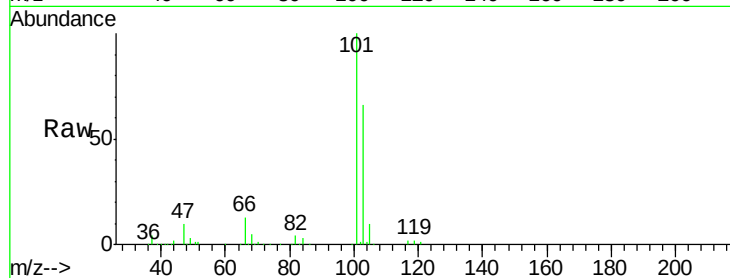
Trichlorofluoromethane
 Concen: 52.392 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		293080		
103	65.9	51.7	77.5		

Manual Integrations
 APPROVED

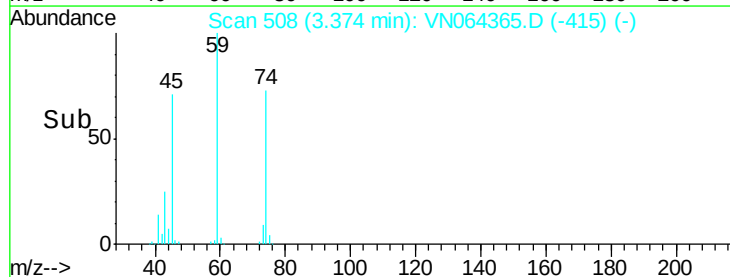
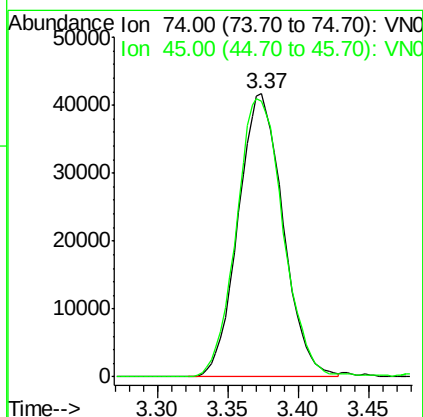
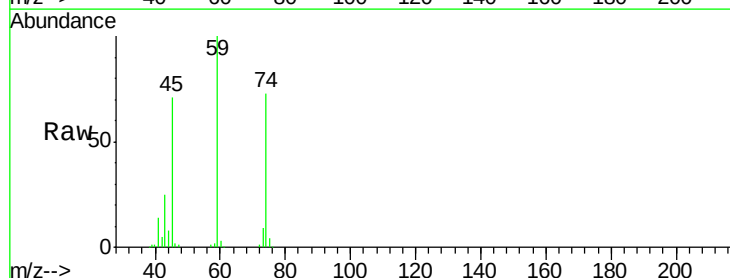
MMDadoda
 10/30/2020 1:35:27 PM

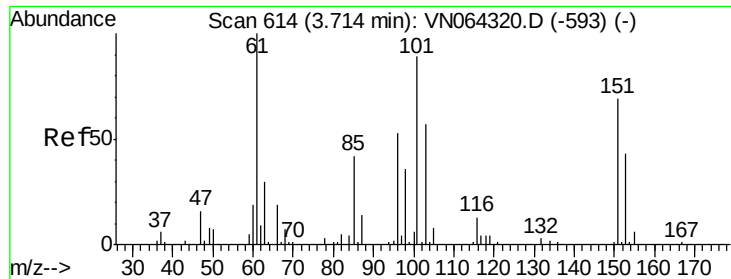


#8

Diethyl Ether
 Concen: 52.495 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		92895		
45	102.4	51.3	154.0		





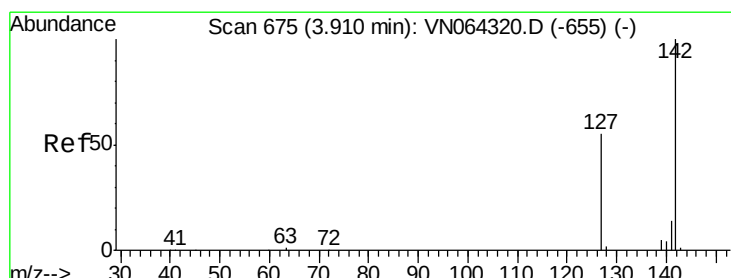
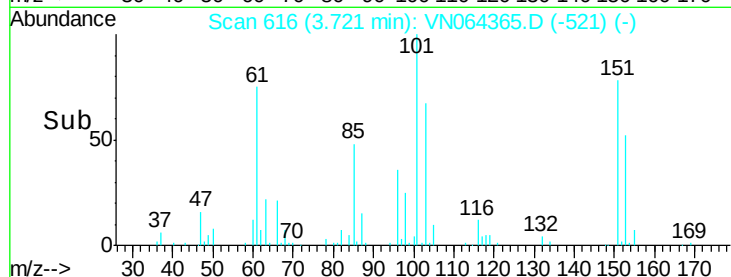
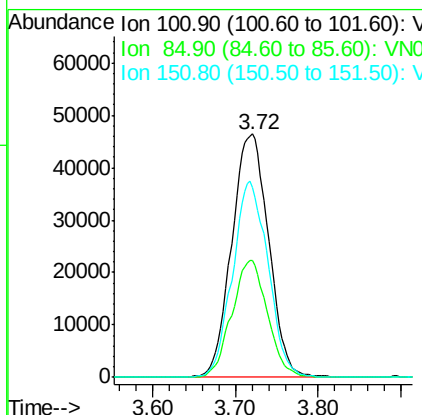
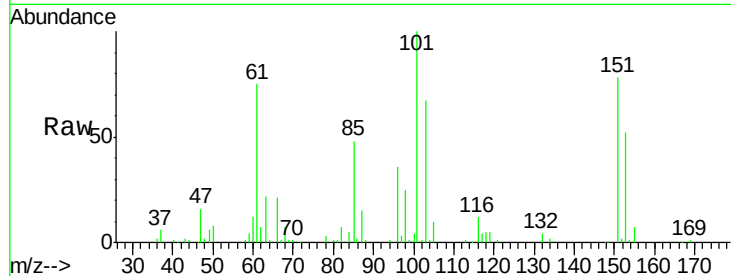
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.073 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.01 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.3	38.4	57.6
151	77.6	62.0	93.0

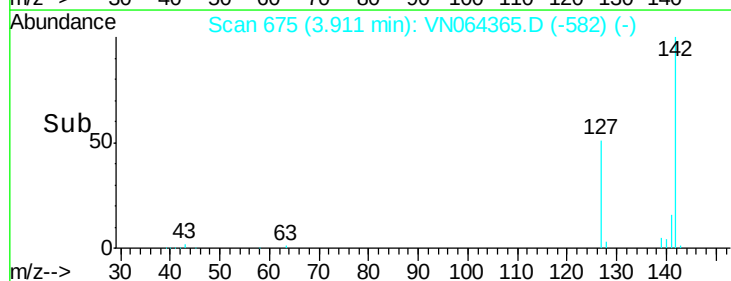
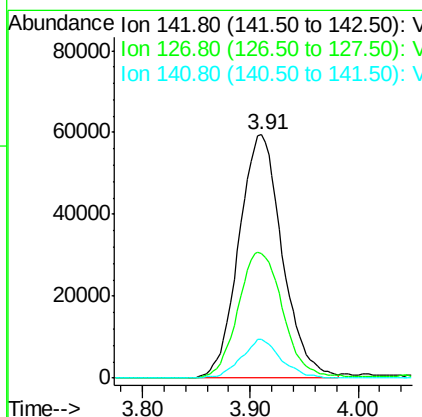
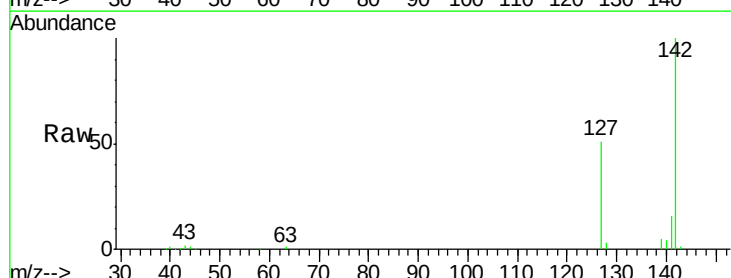
Manual Integrations
APPROVED

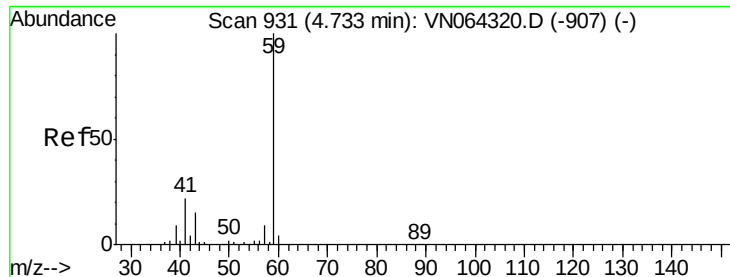
MMDadoda
10/30/2020 1:35:27 PM



#10
Methyl Iodide
Concen: 44.333 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.5	43.3	64.9
141	14.6	11.5	17.3





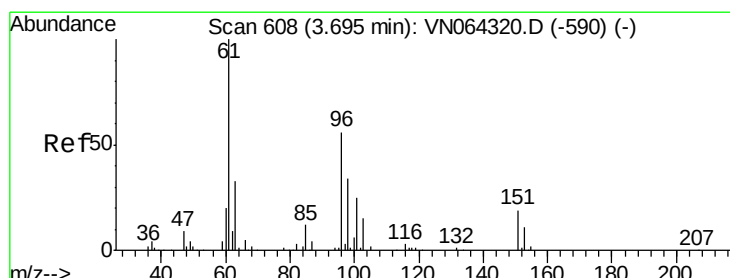
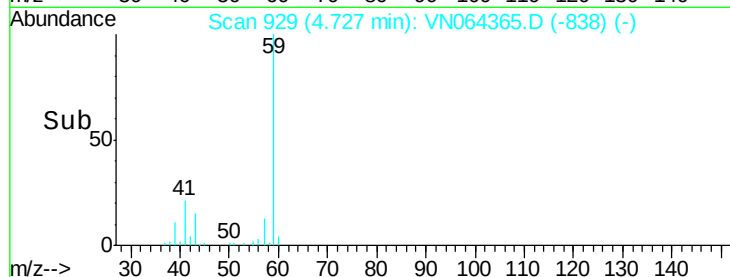
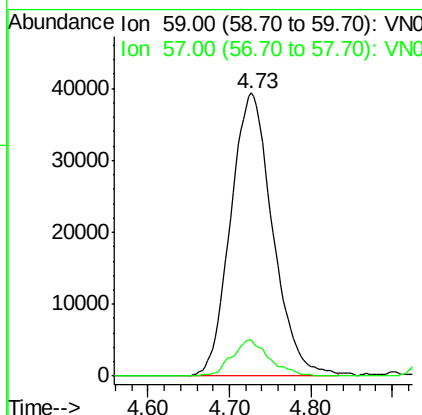
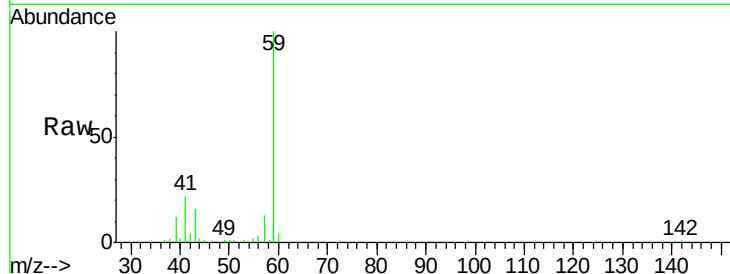
#11
Tert butyl alcohol
Concen: 217.477 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.01 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 140946
Ion Ratio Lower Upper
59 100
57 11.5 9.4 14.0

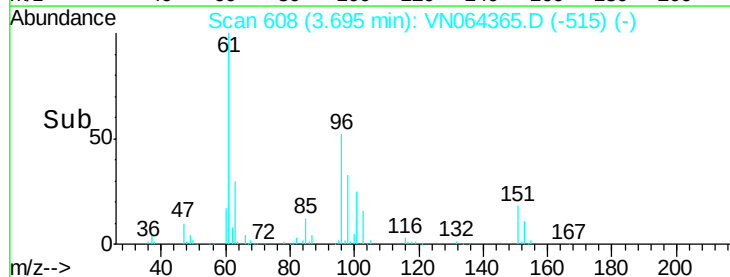
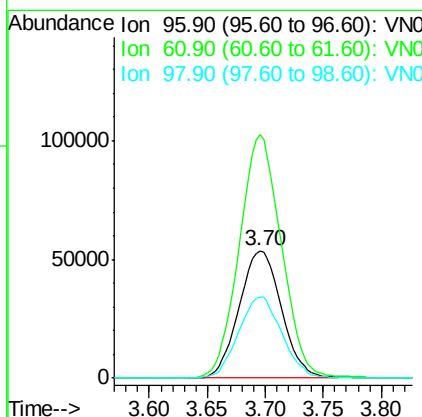
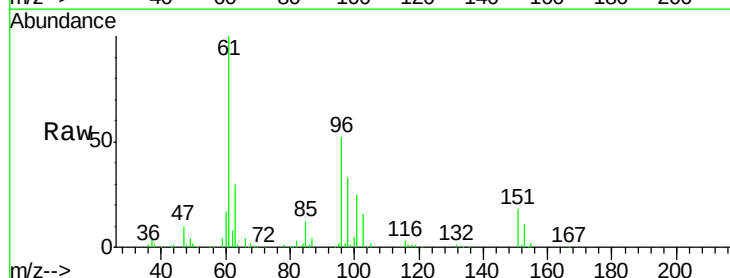
Manual Integrations
APPROVED

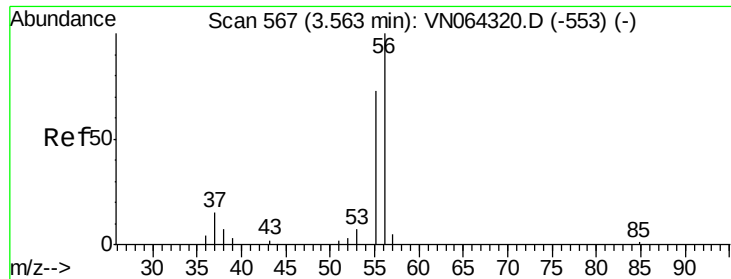
MMDadoda
10/30/2020 1:35:27 PM



#12
1,1-Dichloroethene
Concen: 51.333 ug/l
RT: 3.70 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 96 Resp: 136249
Ion Ratio Lower Upper
96 100
61 190.9 143.6 215.4
98 63.5 48.6 73.0





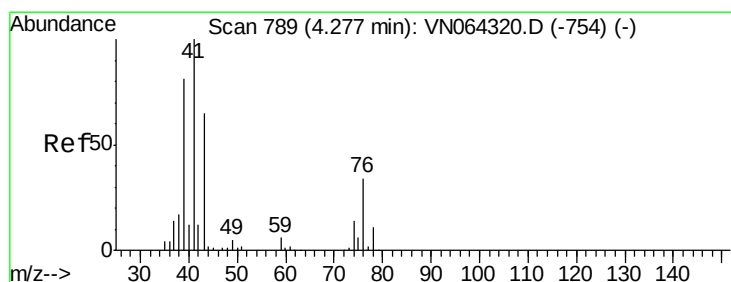
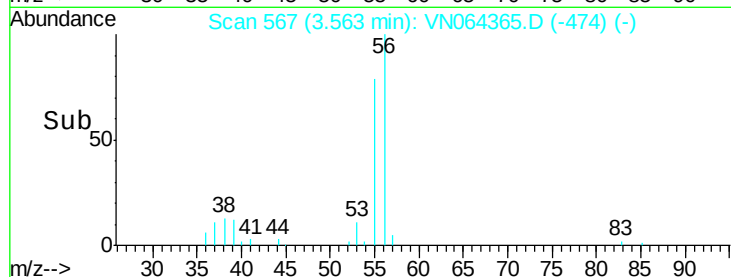
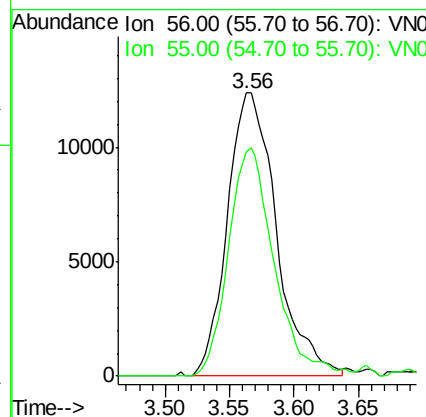
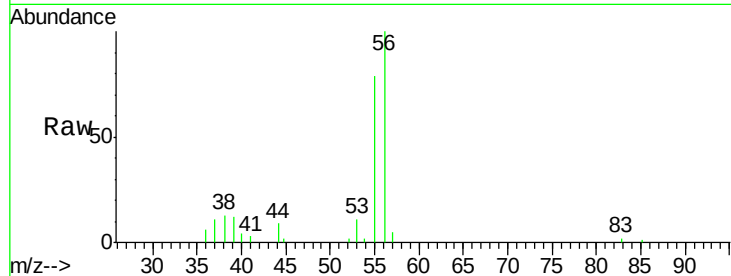
#13
Acrolein
Concen: 233.928 ug/l
RT: 3.56 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	32728
Ion Ratio	Lower	Upper	
56	100		
55	75.3	62.6	94.0

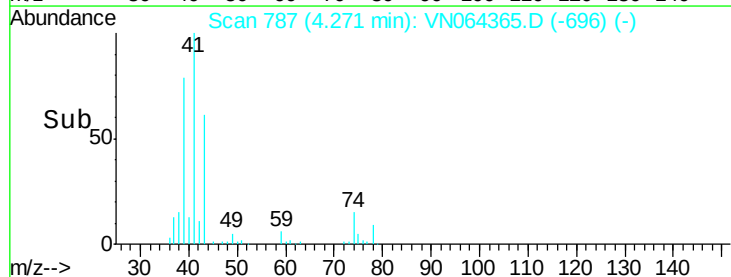
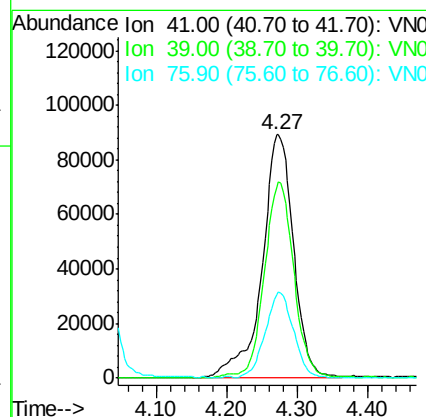
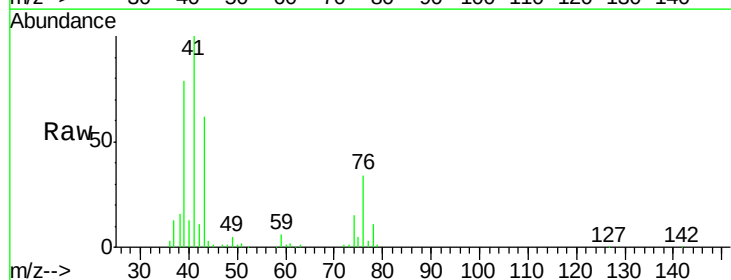
Manual Integrations
APPROVED

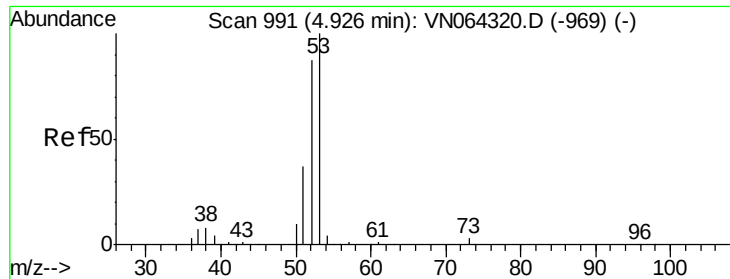
MMDadoda
10/30/2020 1:35:27 PM



#14
Allyl chloride
Concen: 51.396 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.01 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	41	Resp	278547
Ion Ratio	Lower	Upper	
41	100		
39	75.5	61.7	92.5
76	30.9	24.0	36.0





#15

Acrylonitrile

Concen: 258.907 ug/l

RT: 4.93 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

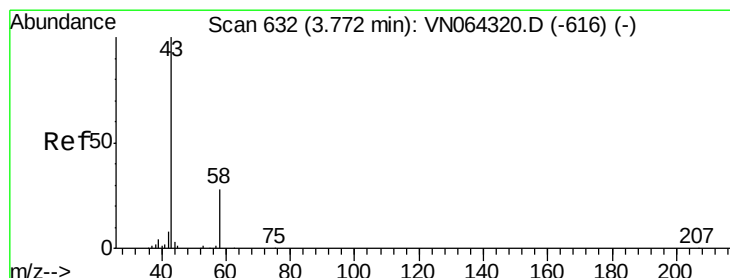
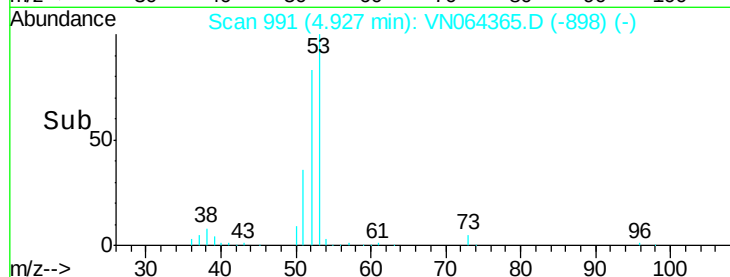
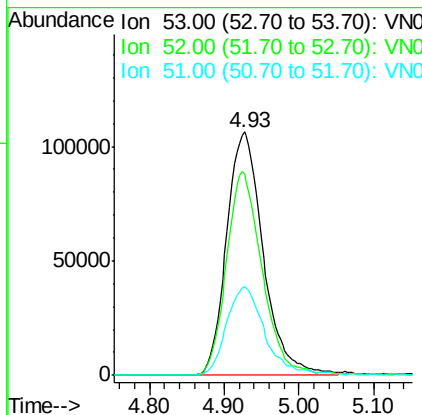
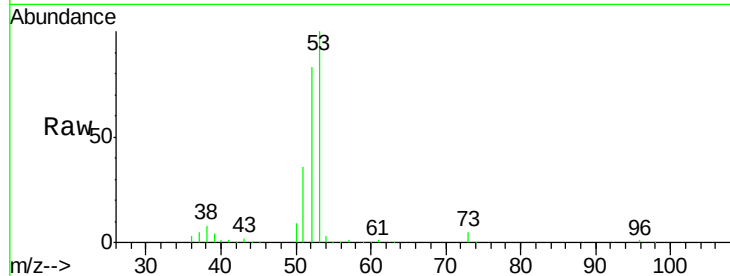
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	360842
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.9	98.9
51	37.6	30.4	45.6

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#16

Acetone

Concen: 281.933 ug/l

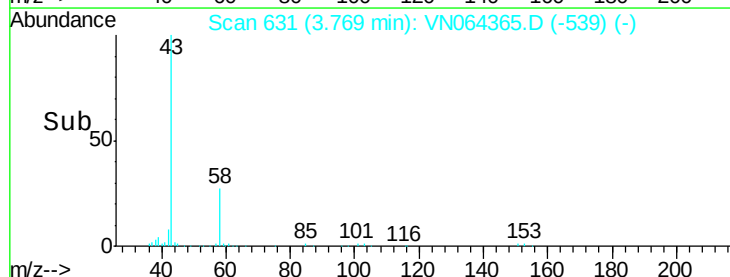
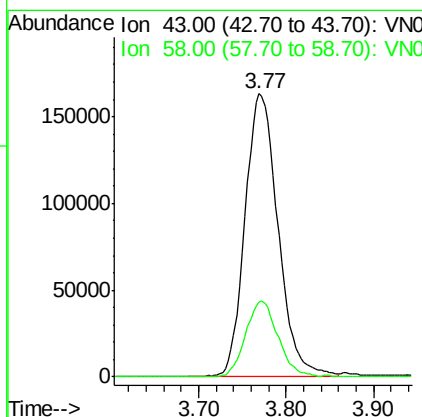
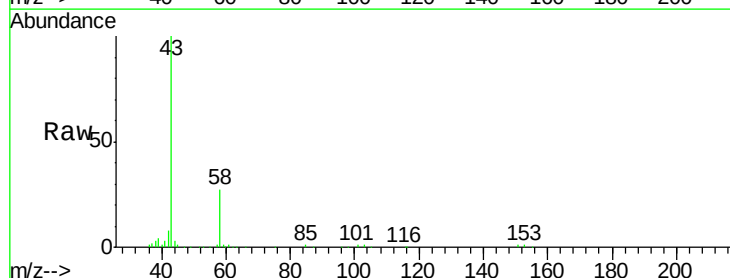
RT: 3.77 min Scan# 631

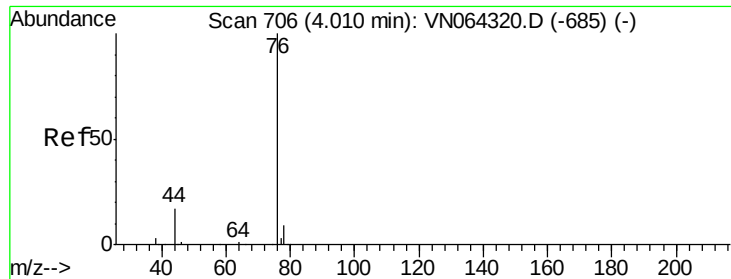
Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion:	43	Resp:	427693
Ion Ratio	Lower	Upper	
43	100		
58	26.5	22.1	33.1





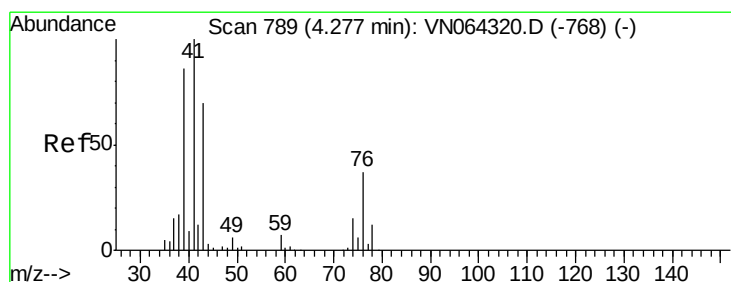
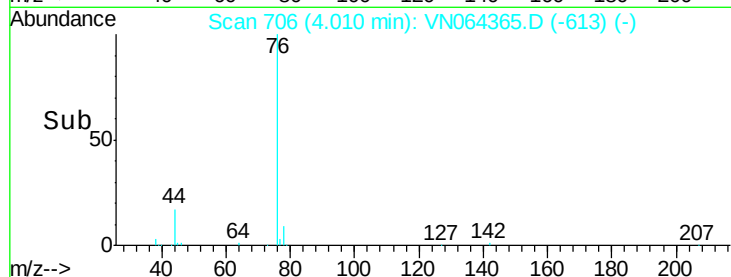
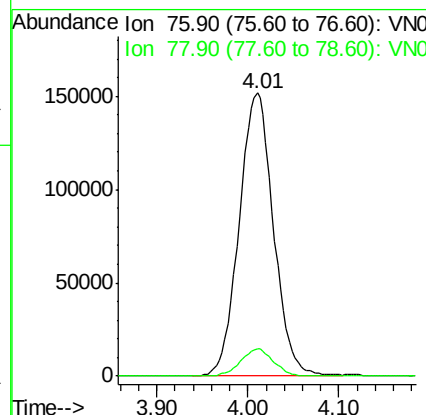
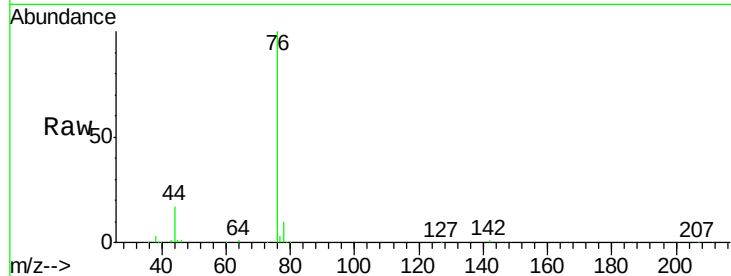
#17
Carbon Disulfide
Concen: 50.518 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

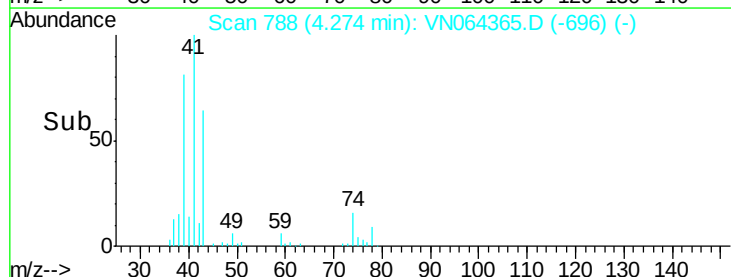
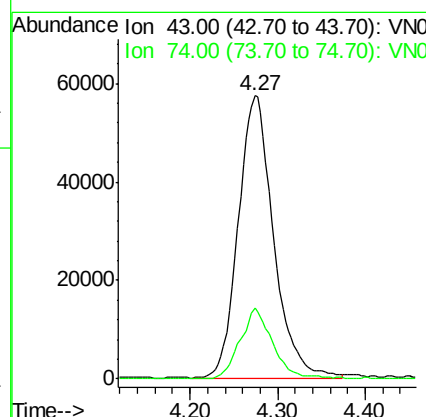
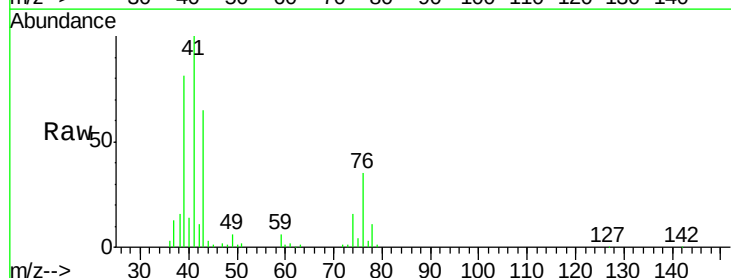
Manual Integrations
APPROVED

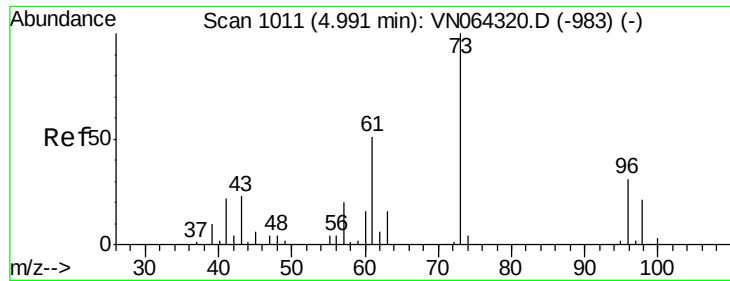
MMDadoda
10/30/2020 1:35:27 PM



#18
Methyl Acetate
Concen: 47.658 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	16.7	25.1





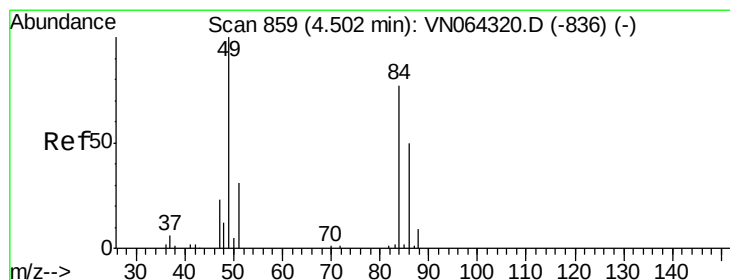
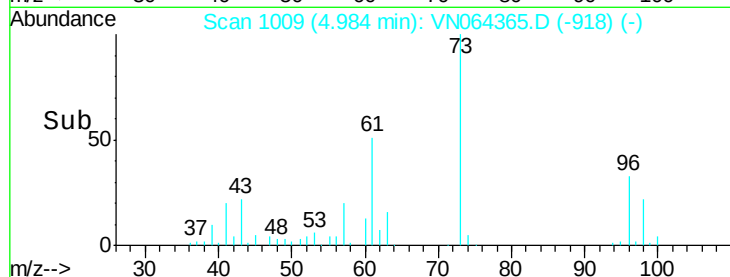
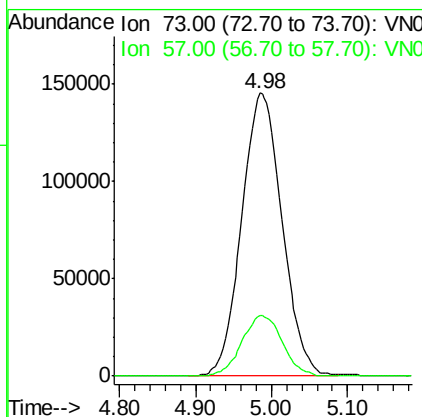
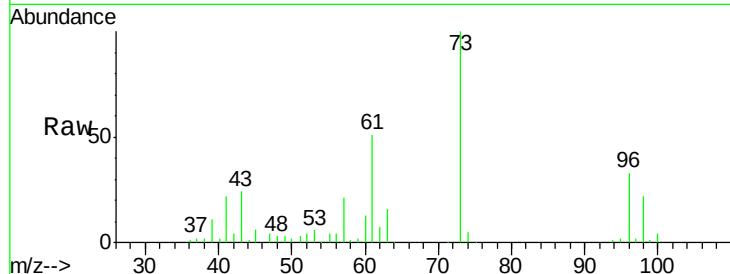
#19
Methyl tert-butyl Ether
Concen: 52.626 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 536688
Ion Ratio Lower Upper
73 100
57 21.5 16.1 24.1

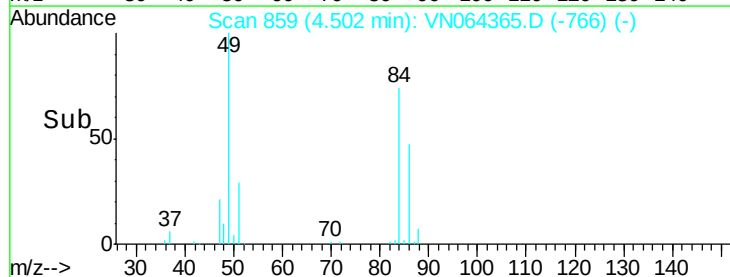
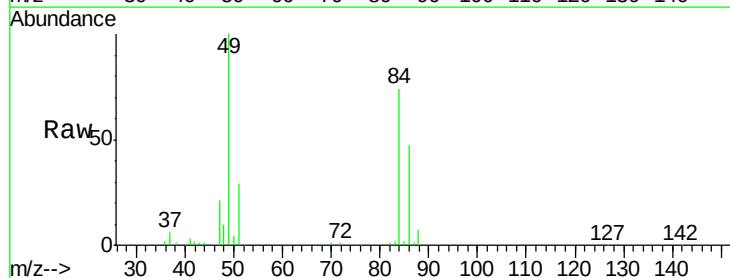
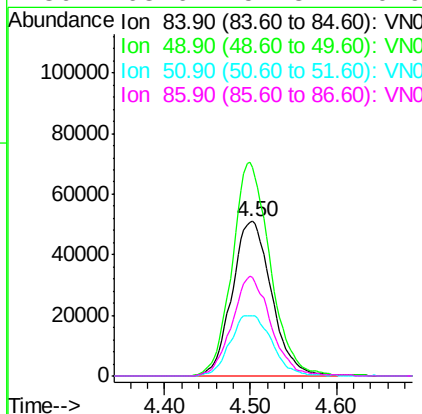
Manual Integrations
APPROVED

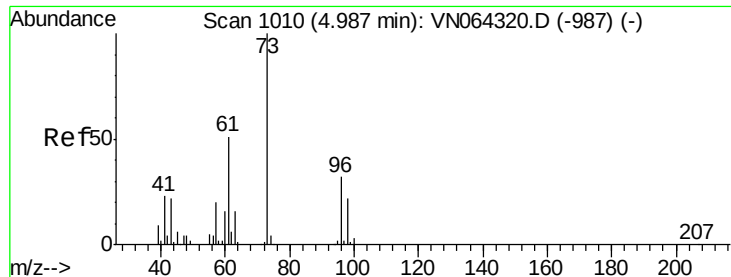
MMDadoda
10/30/2020 1:35:27 PM



#20
Methylene Chloride
Concen: 51.449 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 84 Resp: 162899
Ion Ratio Lower Upper
84 100
49 134.5 103.6 155.4
51 39.3 31.8 47.8
86 63.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.328 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

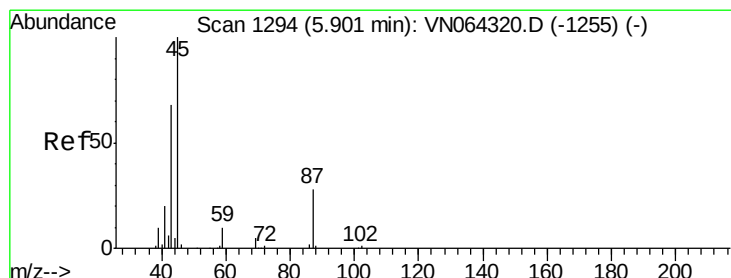
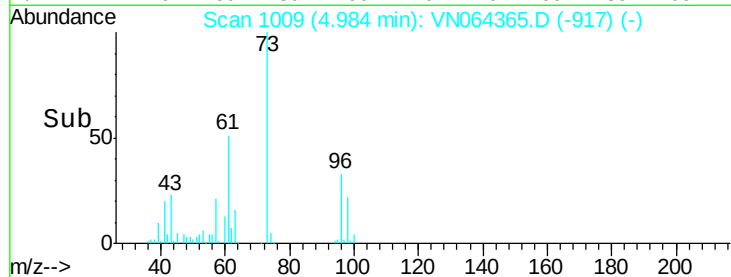
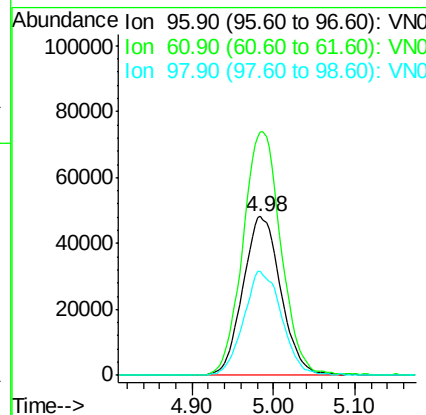
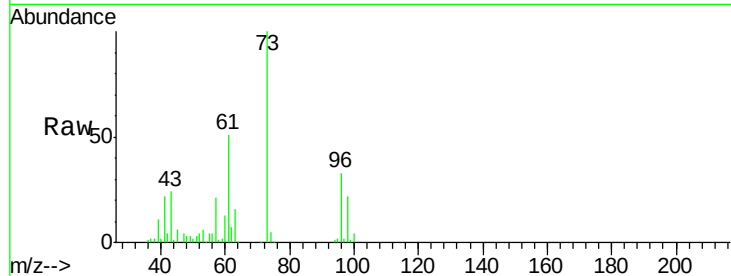
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	154940
Ion	Ratio	Lower	Upper
96	100		
61	153.3	128.2	192.2
98	65.2	56.1	84.1

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#22

Diisopropyl ether

Concen: 53.406 ug/l

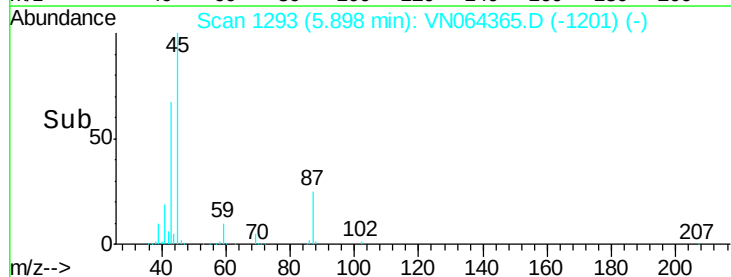
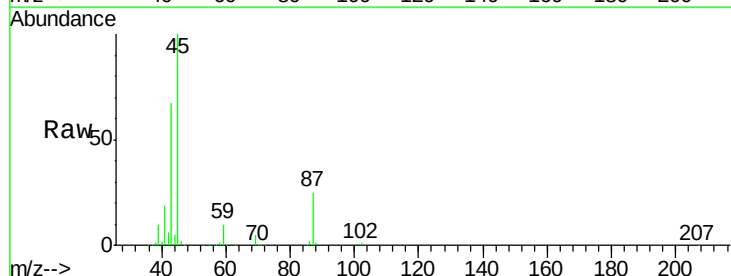
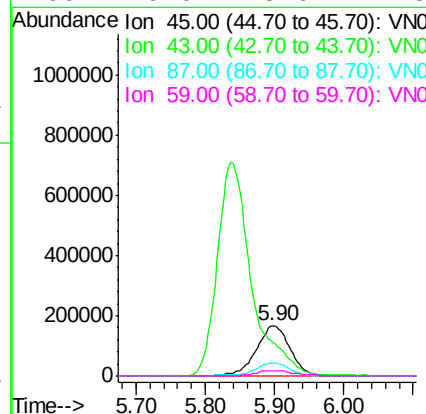
RT: 5.90 min Scan# 1293

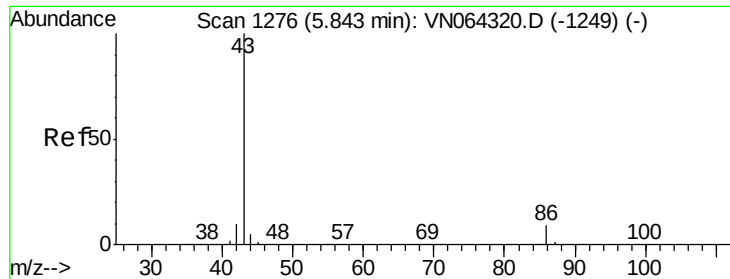
Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion:	45	Resp:	565746
Ion	Ratio	Lower	Upper
45	100		
43	64.9	54.6	82.0
87	25.1	22.6	33.8
59	10.0	8.6	12.8





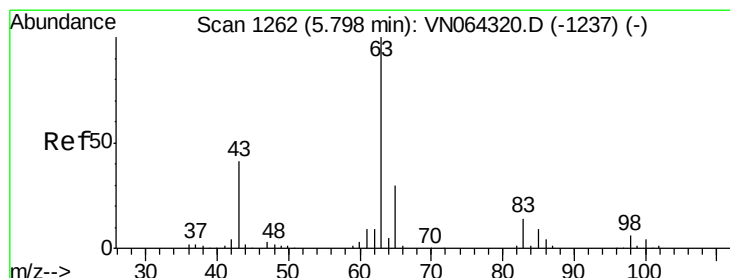
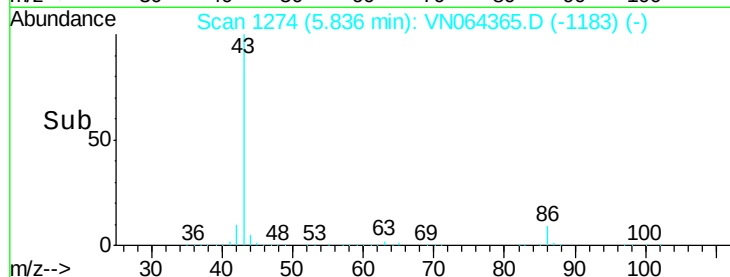
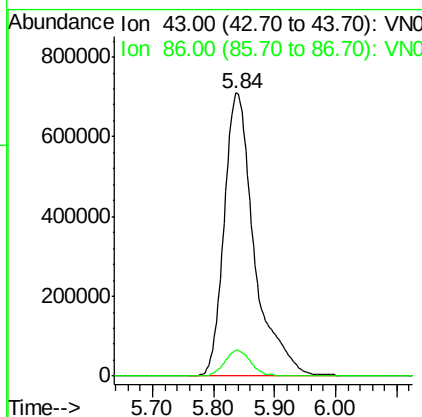
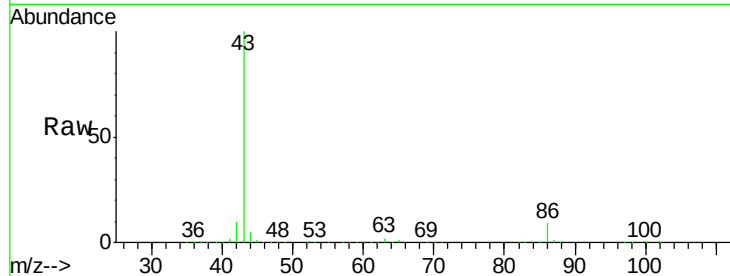
#23
 Vinyl Acetate
 Concen: 272.258 ug/l
 RT: 5.84 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2440026
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.3 10.9

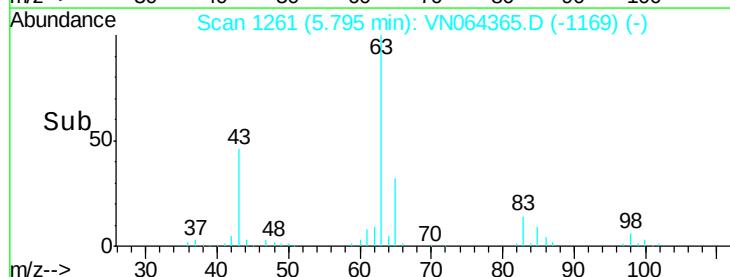
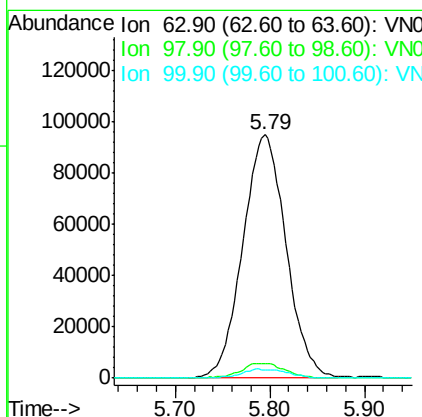
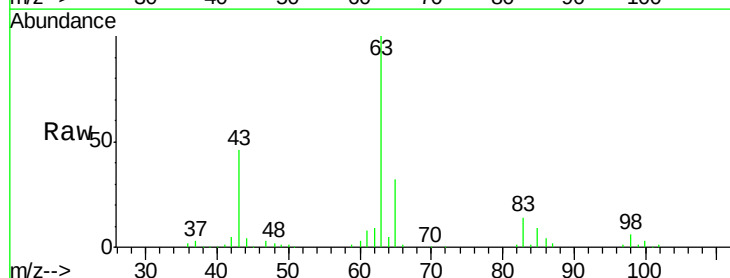
Manual Integrations
 APPROVED

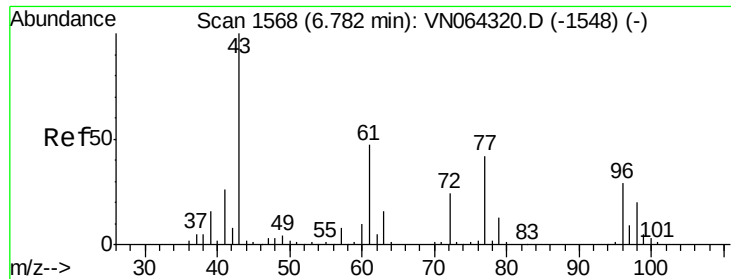
MMDadoda
 10/30/2020 1:35:27 PM



#24
 1,1-Dichloroethane
 Concen: 50.905 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 63 Resp: 301751
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.1 9.4
 100 3.4 2.0 5.8





#25

2-Butanone

Concen: 249.039 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 558257

Ion Ratio Lower Upper

43 100

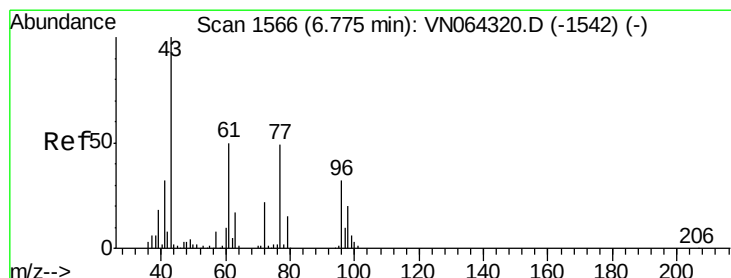
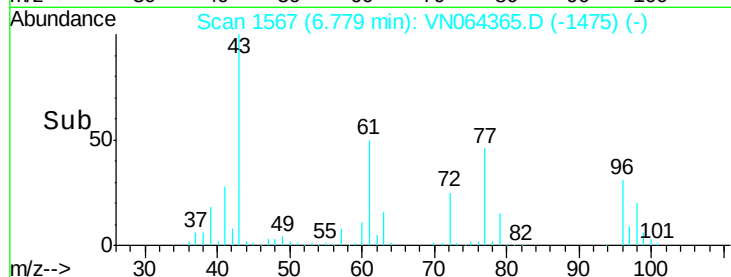
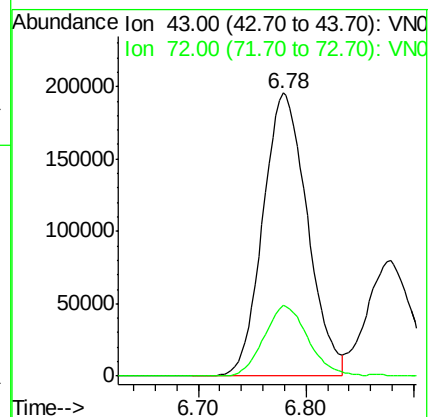
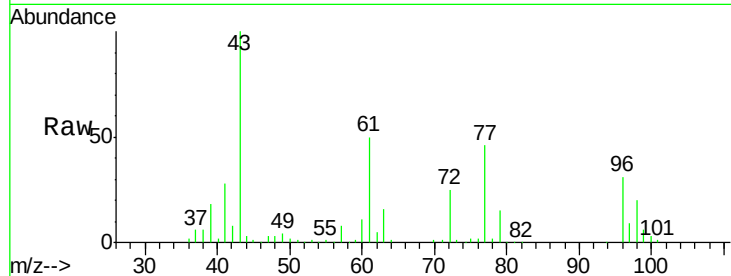
72 24.9 18.8 28.2

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:27 PM



#26

2,2-Dichloropropane

Concen: 52.113 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064365.D

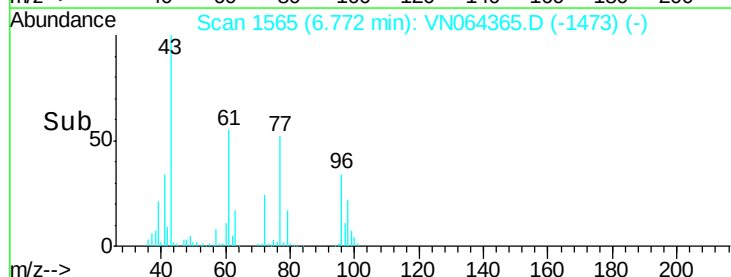
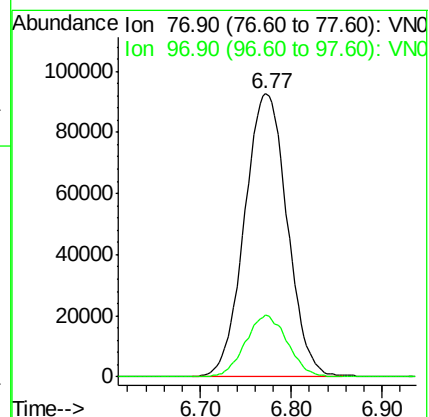
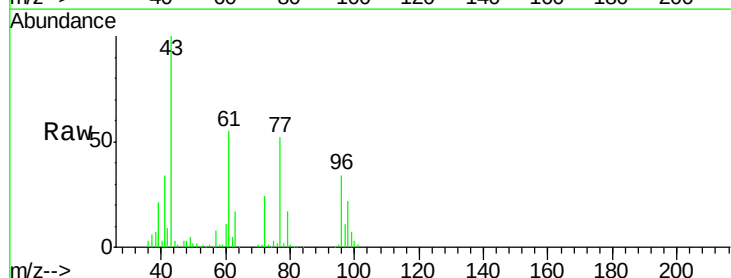
Acq: 29 Oct 2020 10:59

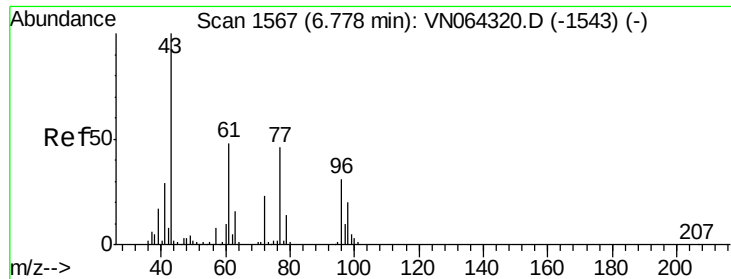
Tgt Ion: 77 Resp: 302326

Ion Ratio Lower Upper

77 100

97 21.4 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 53.802 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

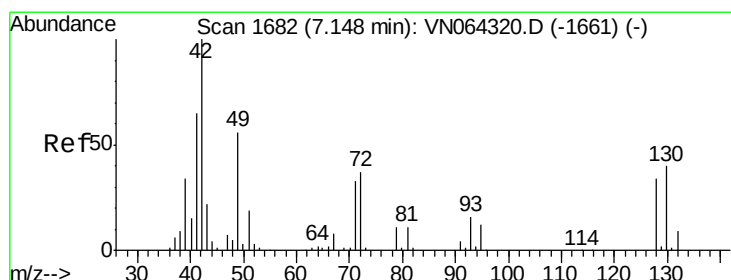
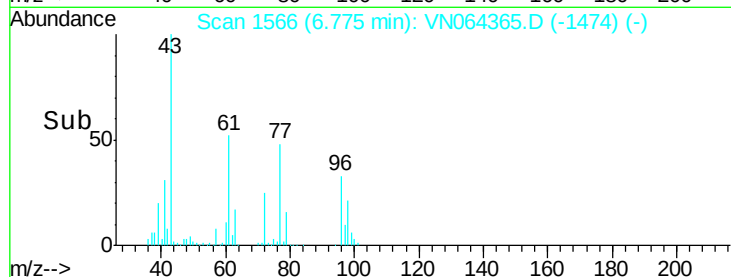
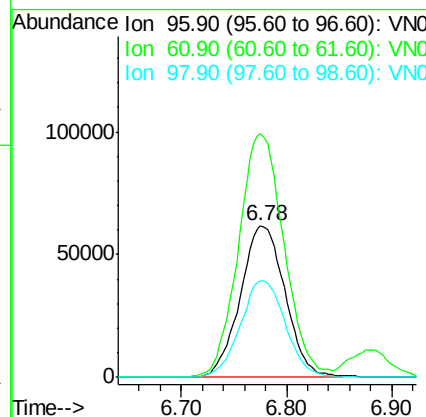
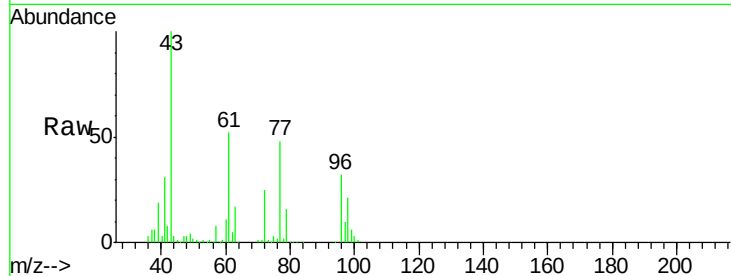
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	182312
Ion Ratio	Lower	Upper	
96	100		
61	163.1	0.0	325.0
98	64.3	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#28

Bromochloromethane

Concen: 47.823 ug/l

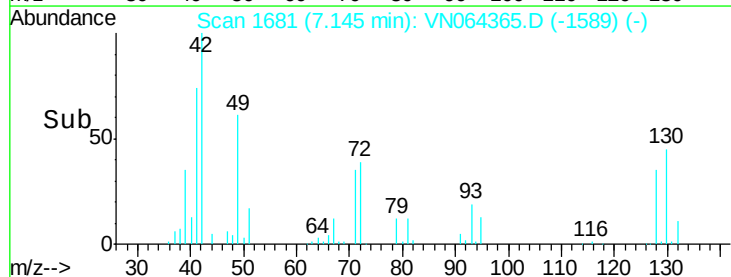
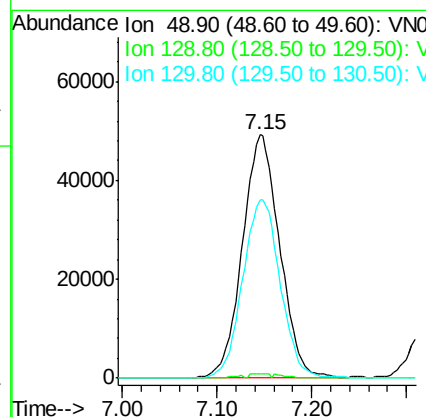
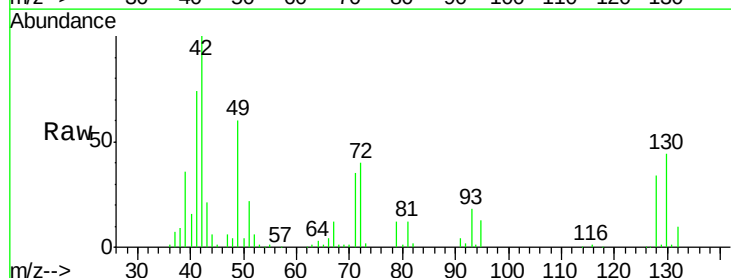
RT: 7.15 min Scan# 1681

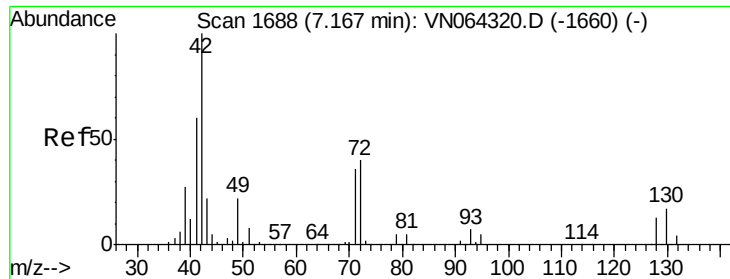
Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion:	49	Resp:	135061
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	2.8
130	73.8	56.2	84.2





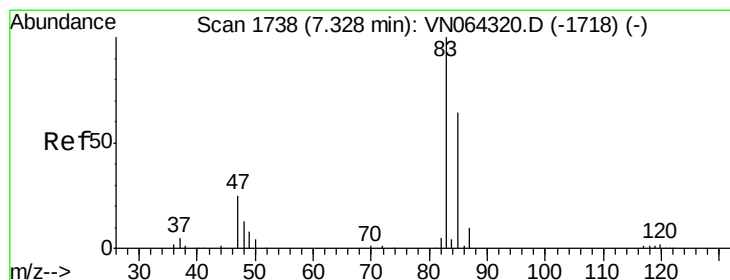
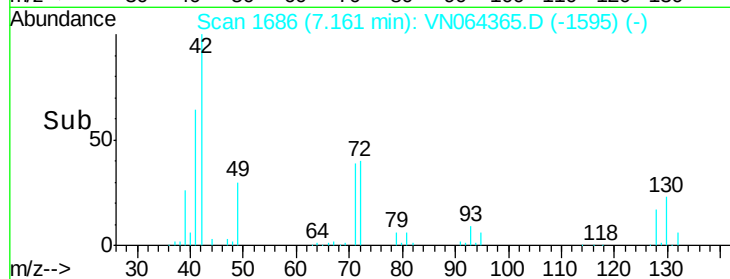
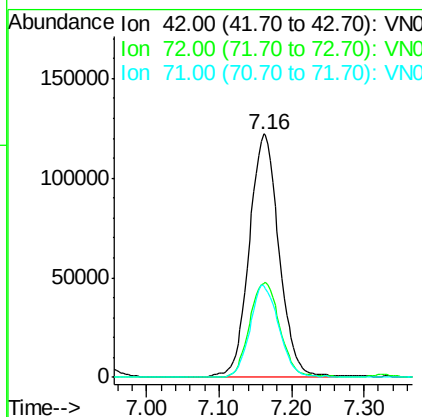
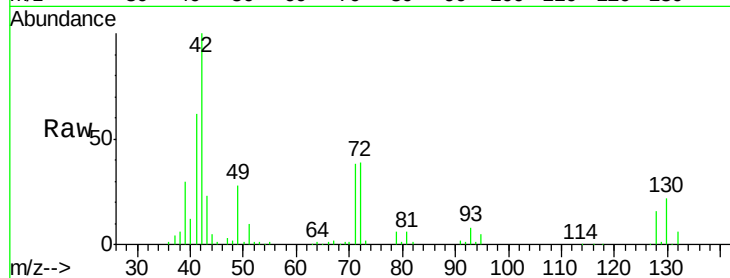
#29
Tetrahydrofuran
Concen: 240.445 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.6	47.4
71	36.7	29.4	44.0

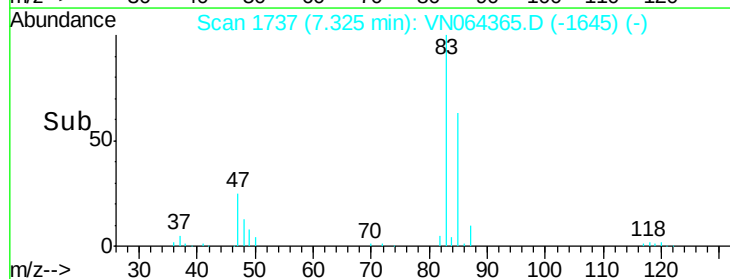
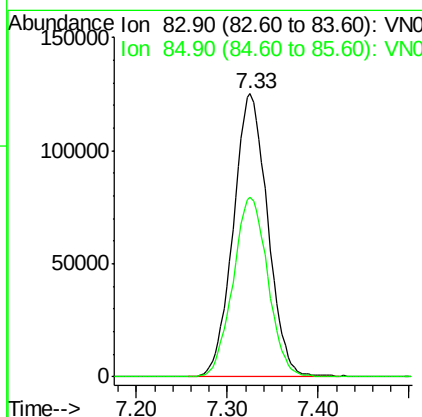
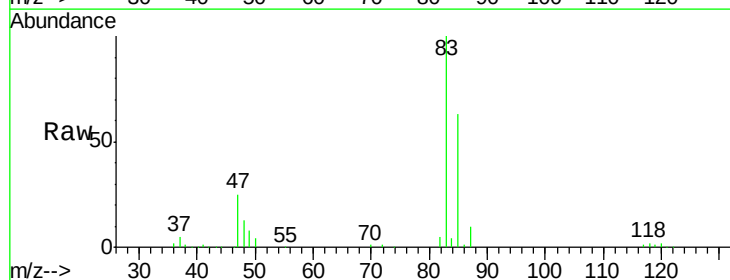
Manual Integrations
APPROVED

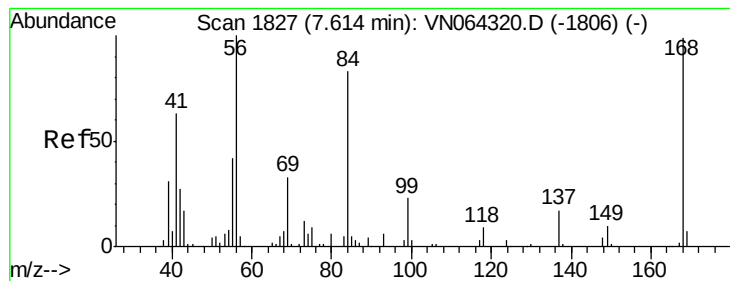
MMDadoda
10/30/2020 1:35:27 PM



#30
Chloroform
Concen: 51.927 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7





#31

Cyclohexane

Concen: 41.635 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

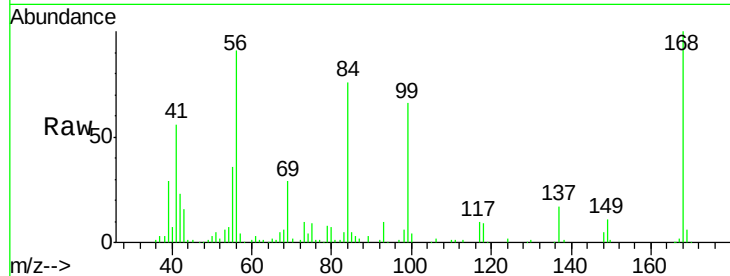
VSTDCCC050

Tot Ion: 56 Resp: 215730

Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.8
84	82.4	66.3	99.5

Manual Integrations
APPROVED

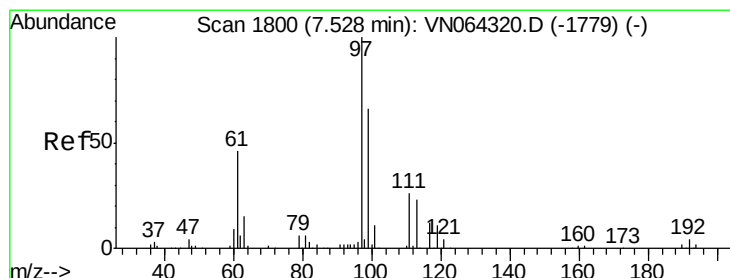
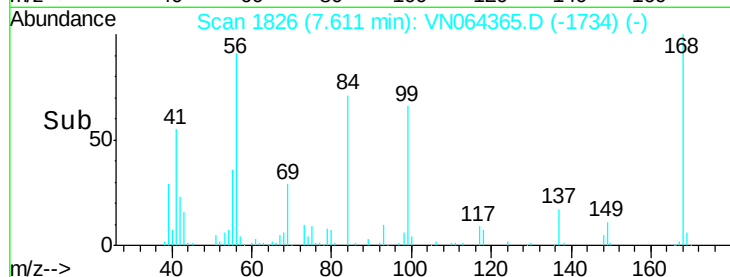
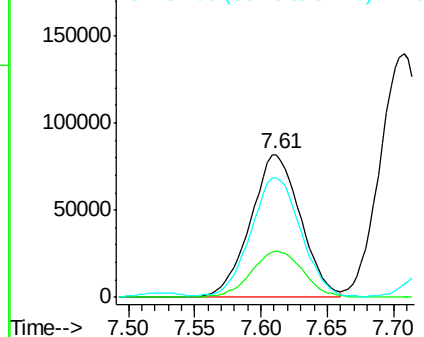
MMDadoda
10/30/2020 1:35:27 PM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.588 ug/l

RT: 7.53 min Scan# 1800

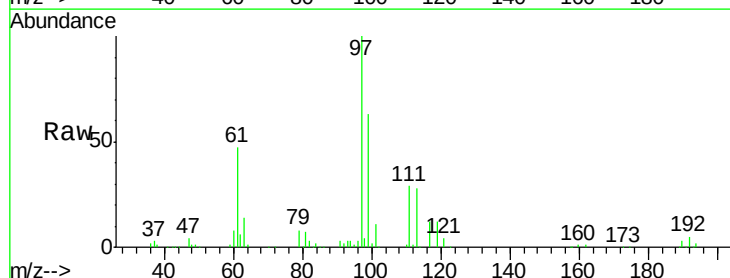
Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion: 97 Resp: 307357

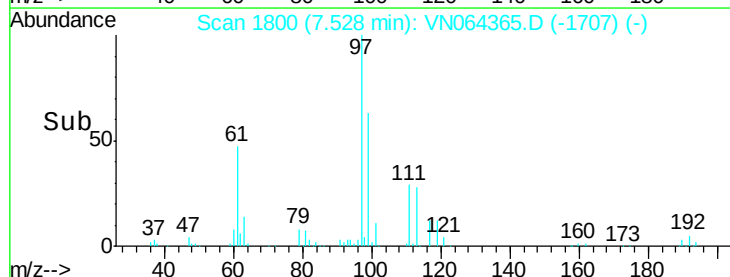
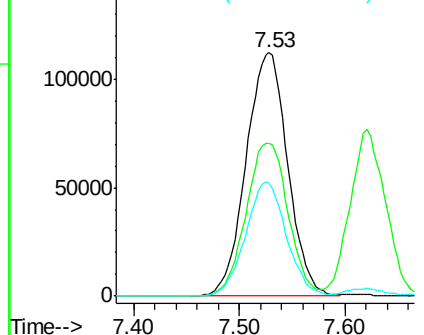
Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	46.0	35.8	53.6

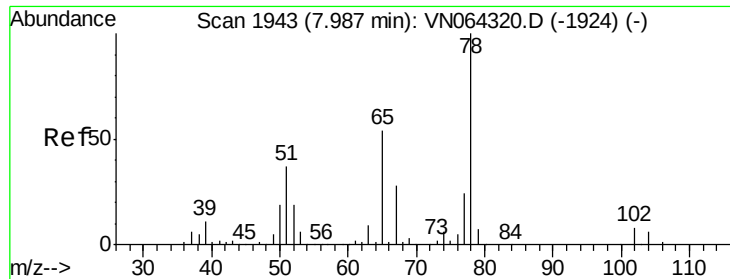


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





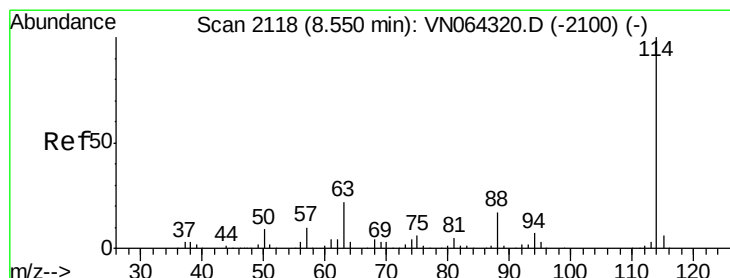
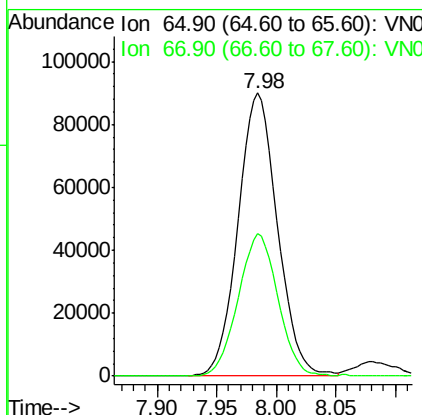
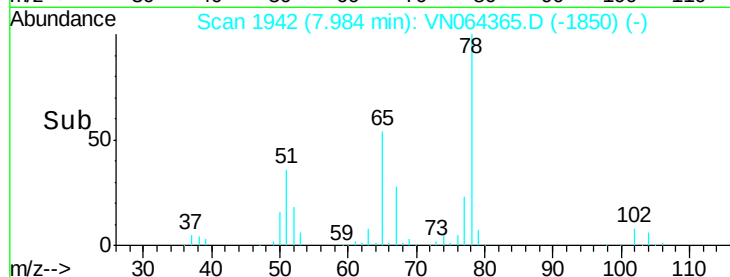
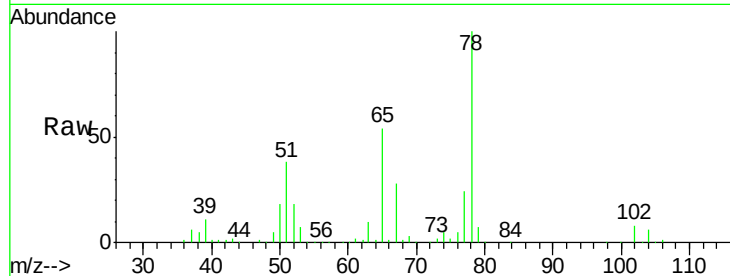
#33
 1,2-Dichloroethane-d4
 Concen: 46.159 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206079		
67	50.8	0.0	99.2	

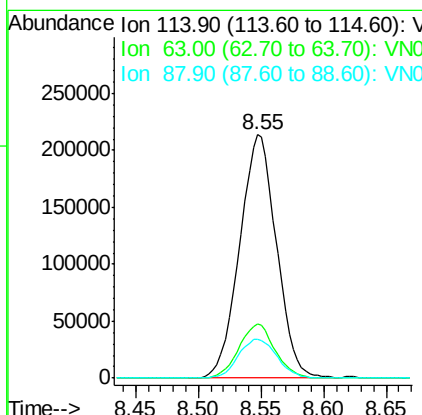
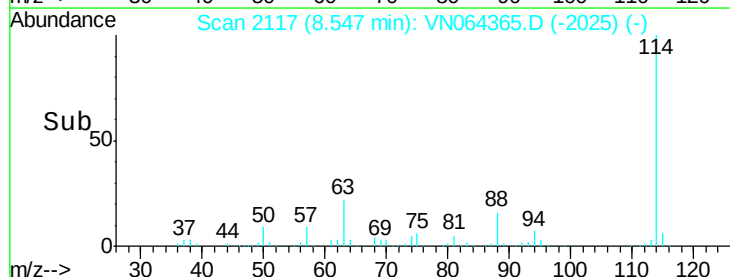
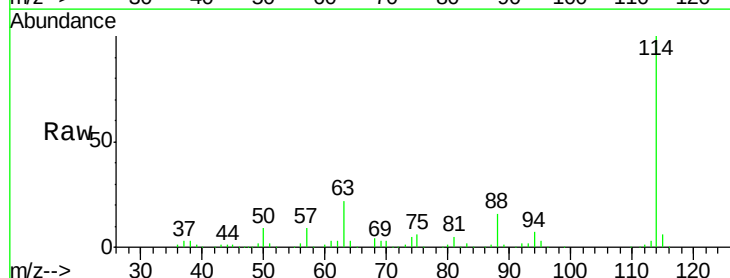
Manual Integrations
 APPROVED

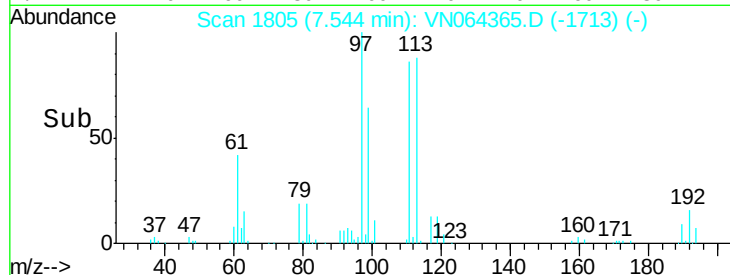
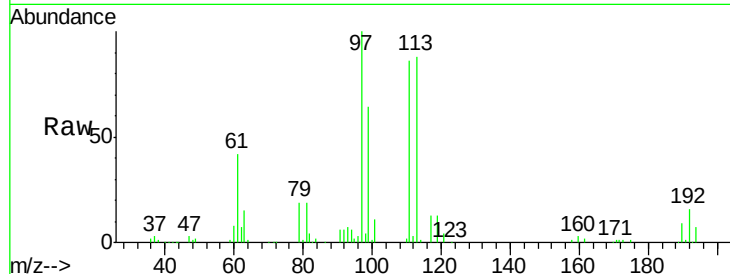
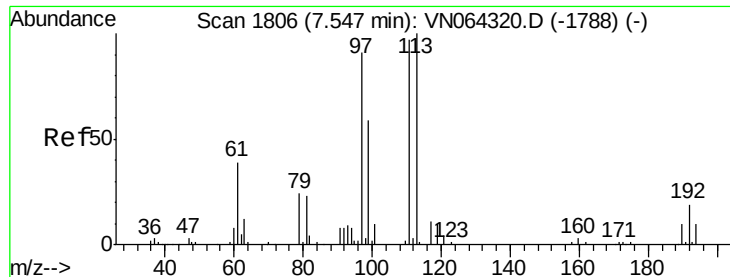
MMDadoda
 10/30/2020 1:35:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	436566		
63	22.2	0.0	44.6	
88	16.1	0.0	33.4	





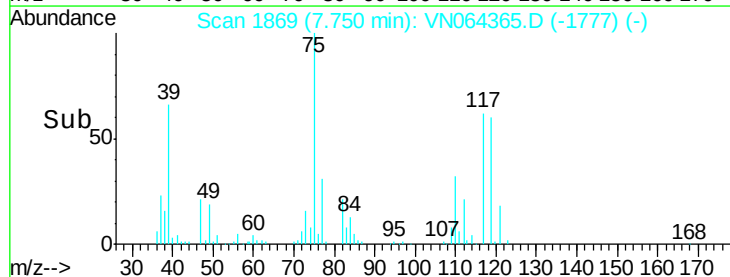
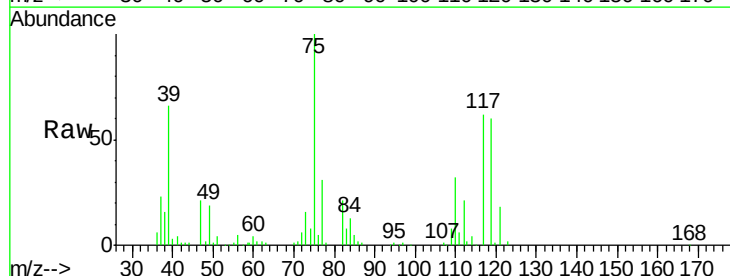
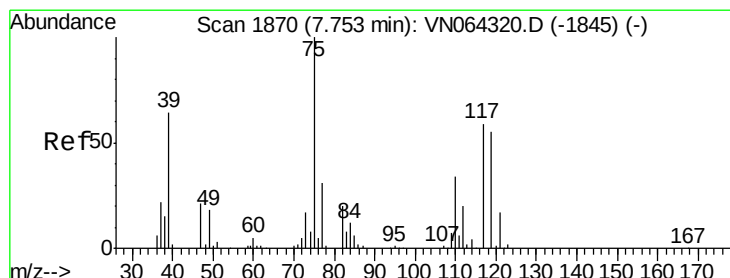
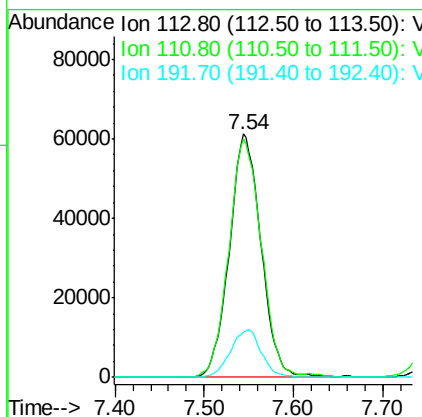
#35
Dibromofluoromethane
Concen: 51.760 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150692		
111	100.0	81.5	122.3	
192	19.1	15.0	22.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

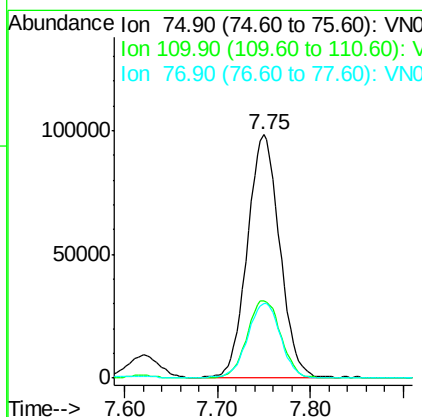
Manual Integrations
APPROVED

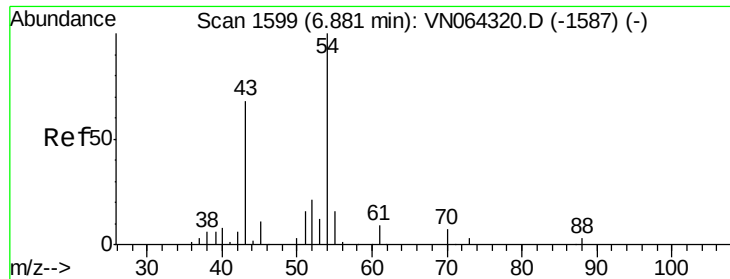
MMDadoda
10/30/2020 1:35:27 PM



#36
1,1-Dichloropropene
Concen: 53.833 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237185		
110	33.2	16.8	50.3	
77	31.6	24.2	36.4	





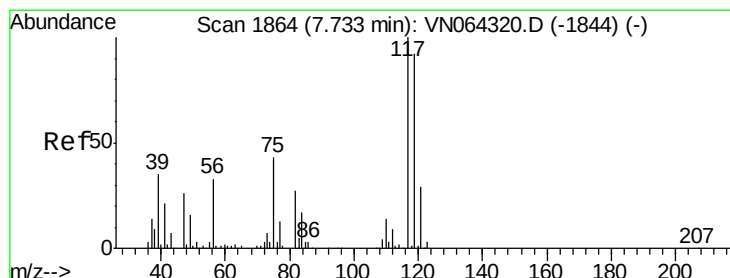
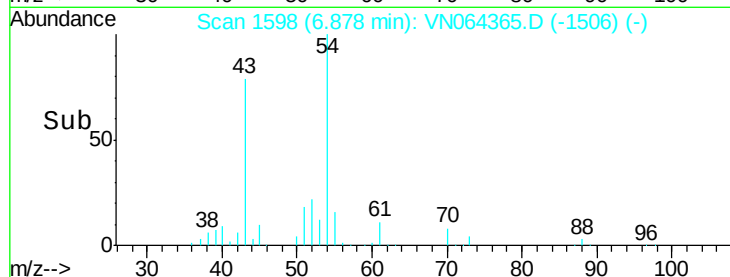
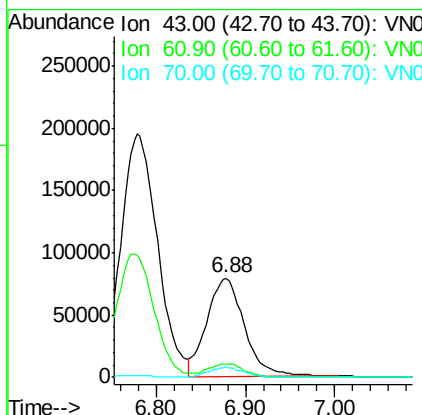
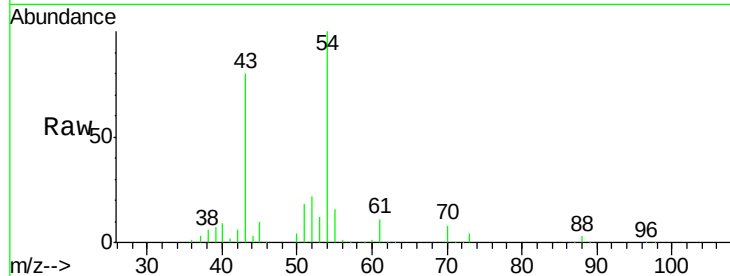
#37
Ethyl Acetate
Concen: 51.932 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.0	15.0
70	9.4	7.1	10.7

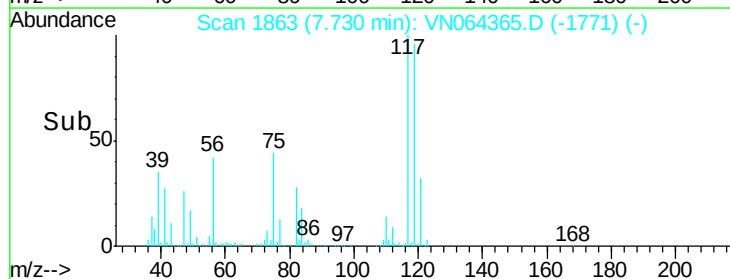
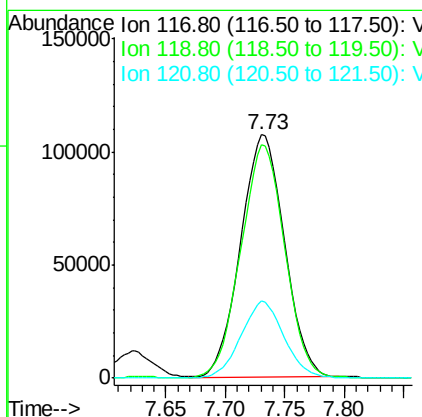
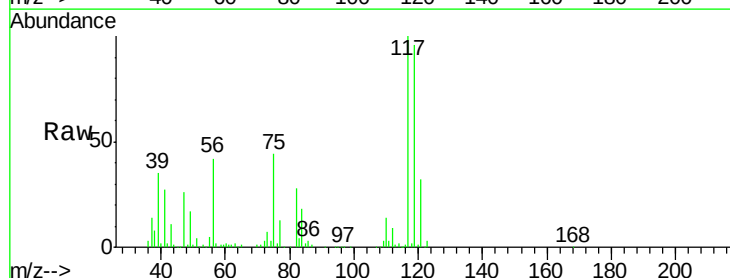
Manual Integrations
APPROVED

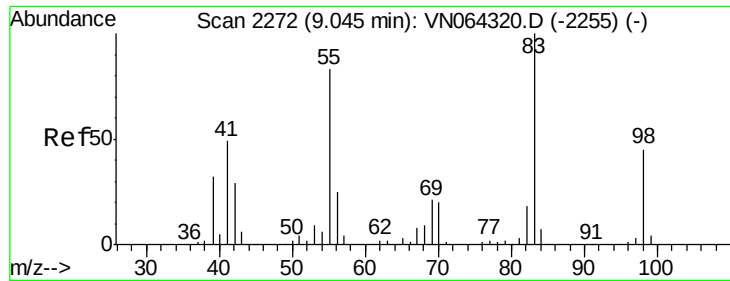
MMDadoda
10/30/2020 1:35:27 PM



#38
Carbon Tetrachloride
Concen: 53.645 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.7	110.5
121	31.7	22.8	34.2





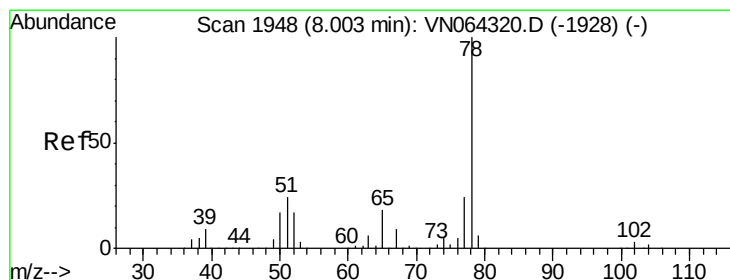
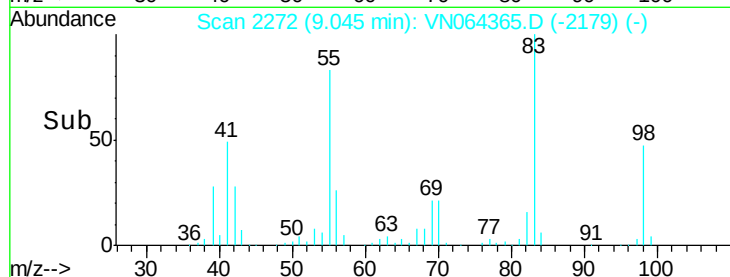
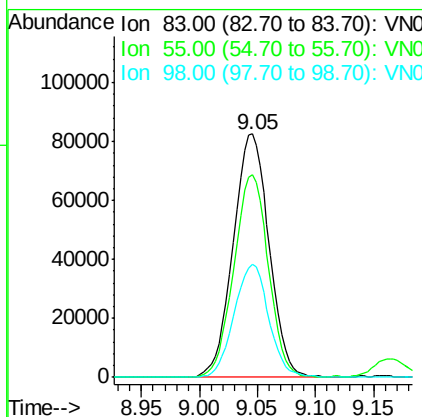
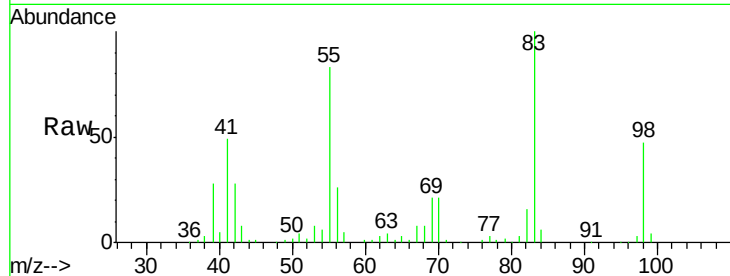
#39
Methylvlcyclohexane
Concen: 40.498 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.1	66.2	99.4	
98	46.6	36.0	54.0	

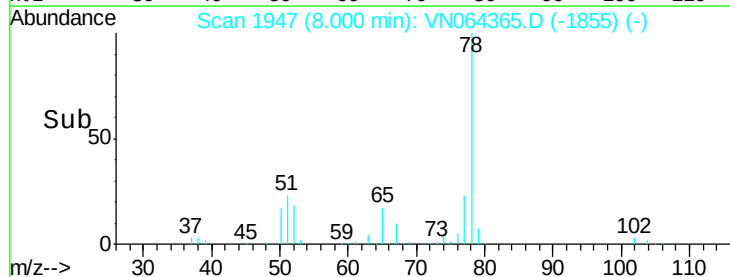
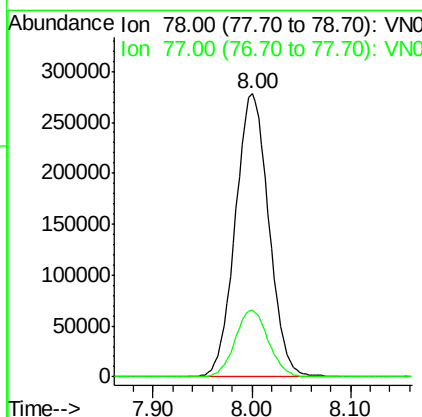
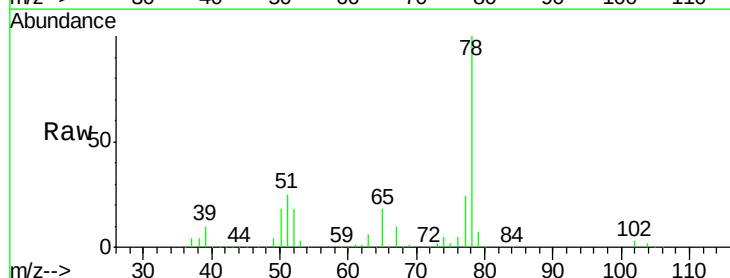
Manual Integrations
APPROVED

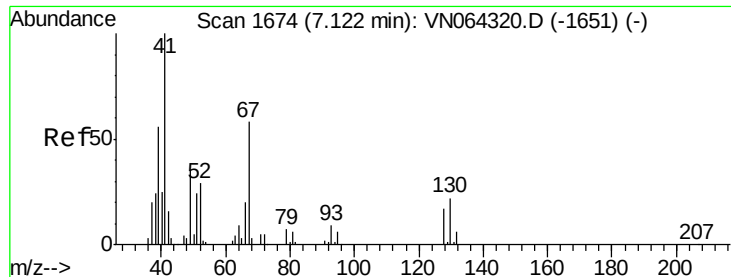
MMDadoda
10/30/2020 1:35:27 PM



#40
Benzene
Concen: 53.304 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.8	28.2	





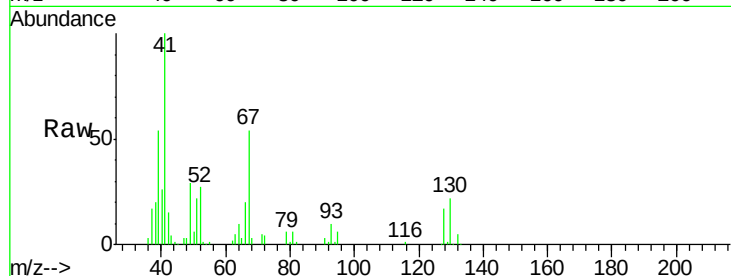
#41
Methacrylonitrile
Concen: 48.884 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

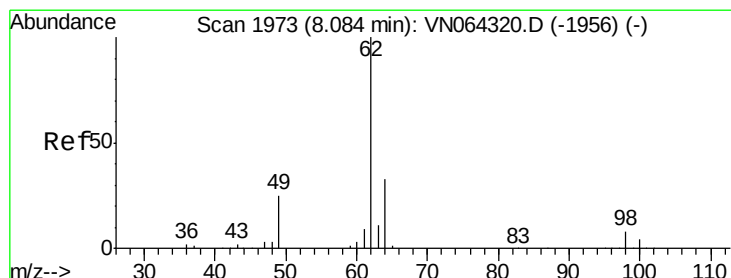
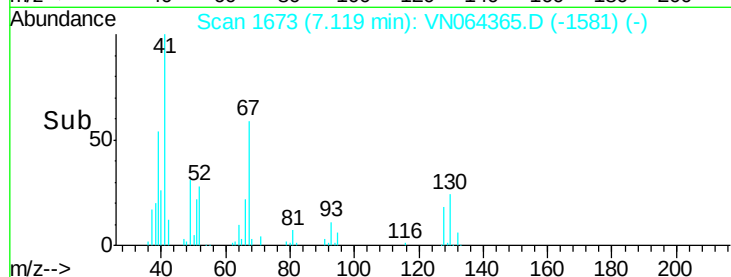
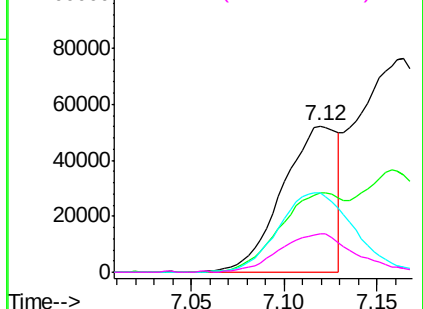
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		107995		
39	65.7	48.6	72.8		
67	75.4	61.4	92.2		
52	35.1	27.6	41.4		

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM

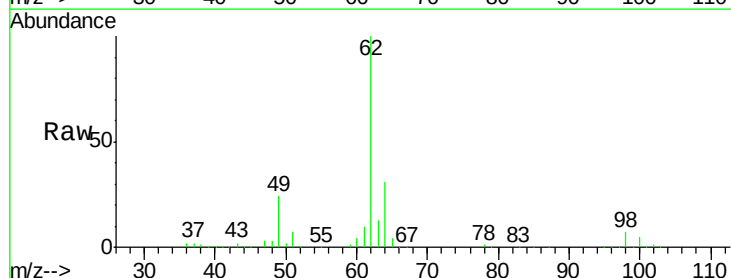


Abundance Ion 41.00 (40.70 to 41.70): VN064320.D (-1651) (-)
Ion 39.00 (38.70 to 39.70): VN064320.D (-1651) (-)
Ion 67.00 (66.70 to 67.70): VN064320.D (-1651) (-)
Ion 52.00 (51.70 to 52.70): VN064320.D (-1651) (-)

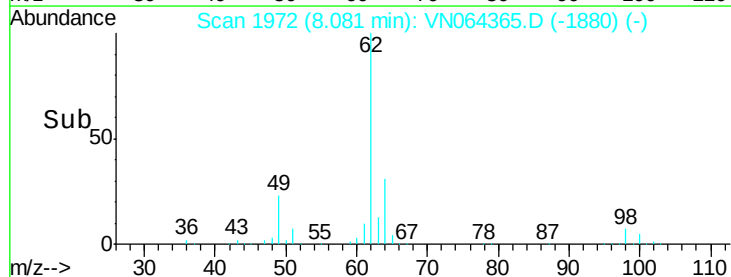
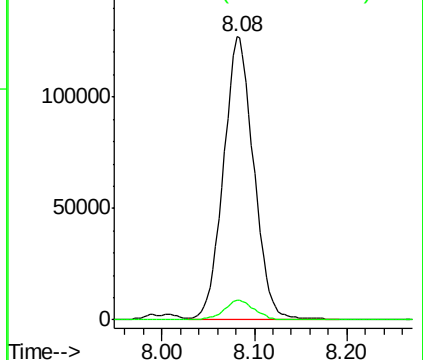


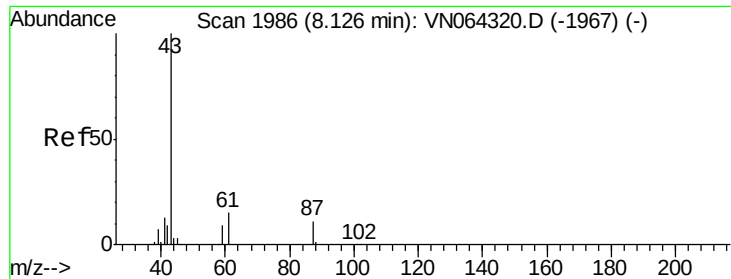
#42
1,2-Dichloroethane
Concen: 53.790 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		284967		
98	7.1	0.0	14.2		



Abundance Ion 61.90 (61.60 to 62.60): VN064320.D (-1956) (-)
Ion 97.90 (97.60 to 98.60): VN064320.D (-1956) (-)





#43

Isopropyl Acetate

Concen: 54.410 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

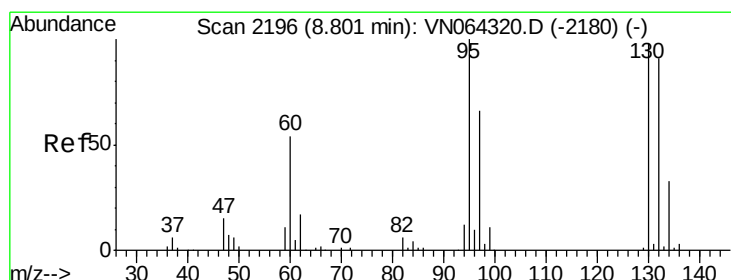
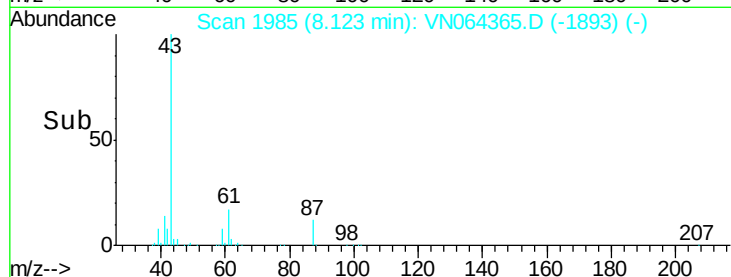
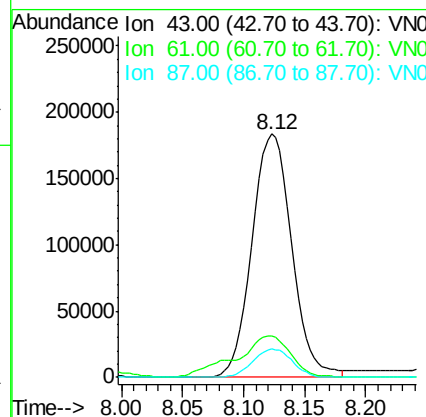
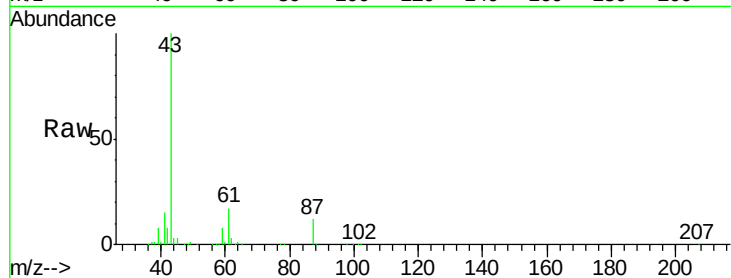
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	413936
Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.1	28.7
87	11.6	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#44

Trichloroethene

Concen: 56.180 ug/l

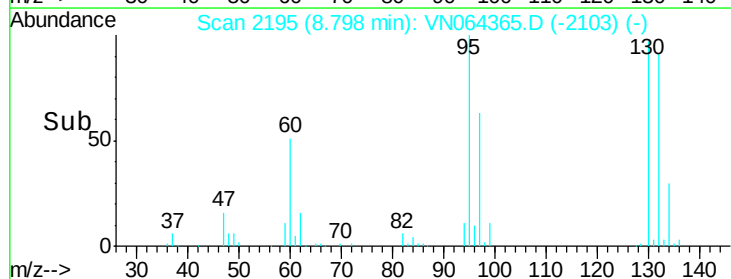
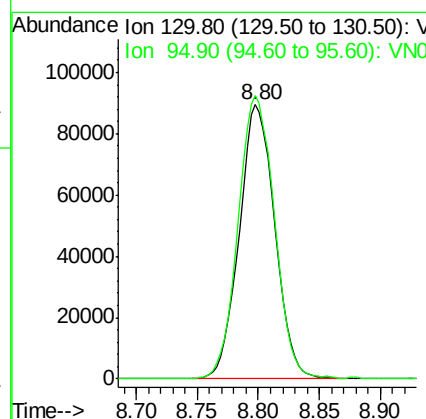
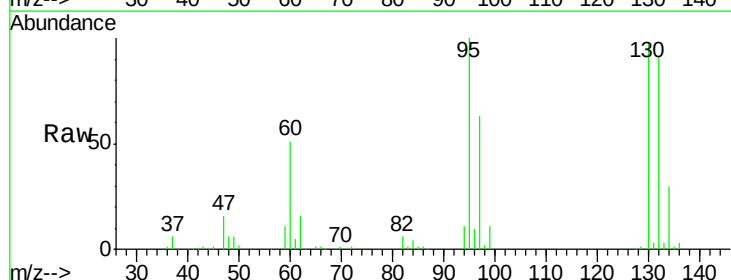
RT: 8.80 min Scan# 2195

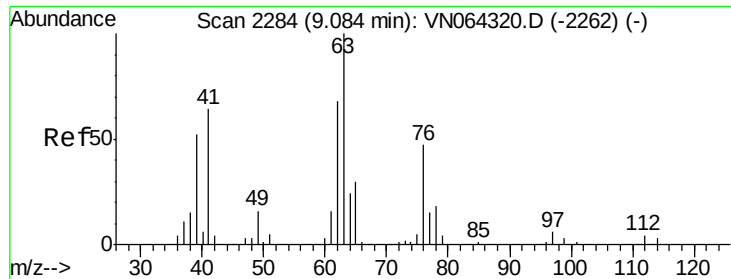
Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion:	130	Resp:	180492
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	203.6





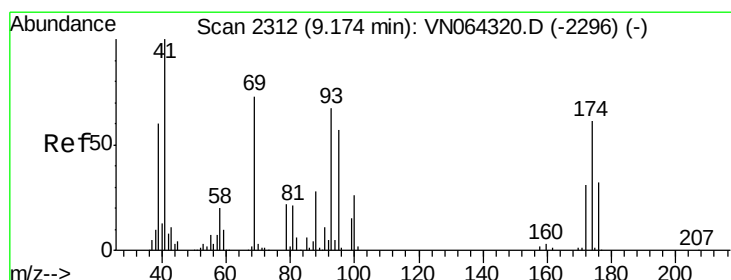
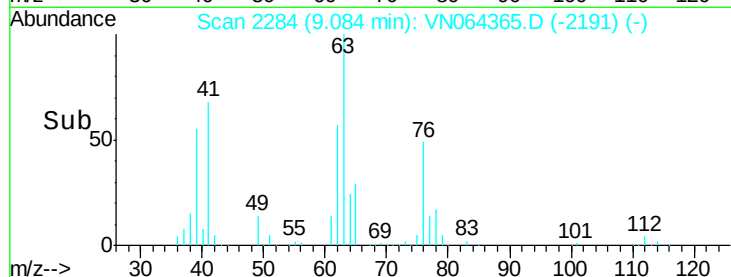
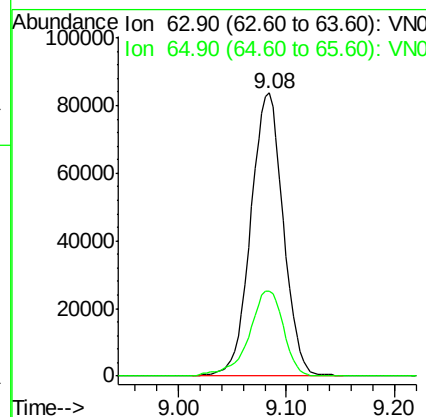
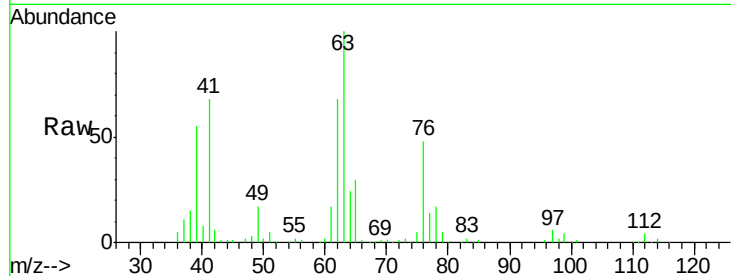
#45
 1,2-Dichloropropane
 Concen: 53.347 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 175199
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.3 36.5

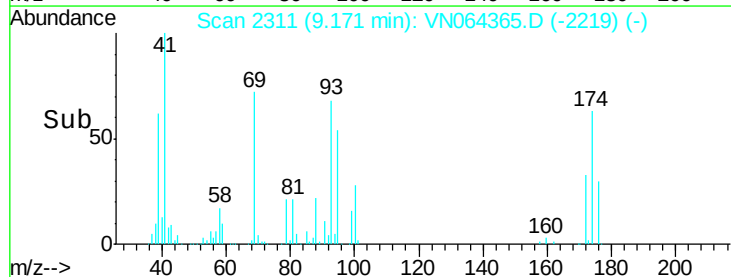
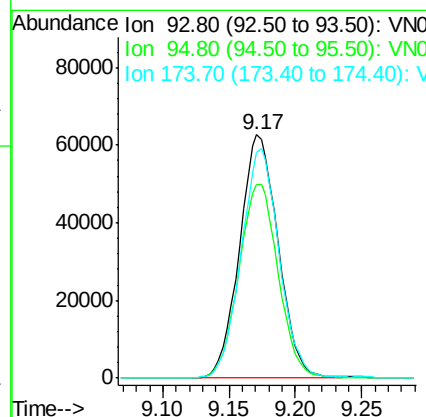
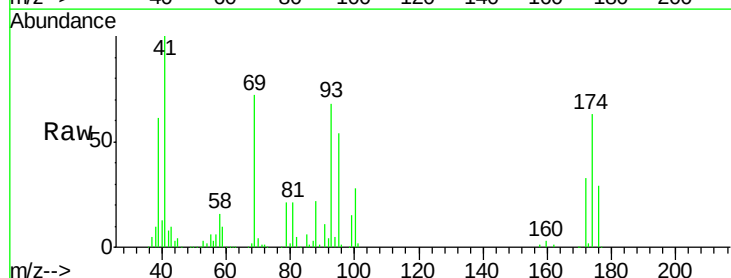
Manual Integrations
 APPROVED

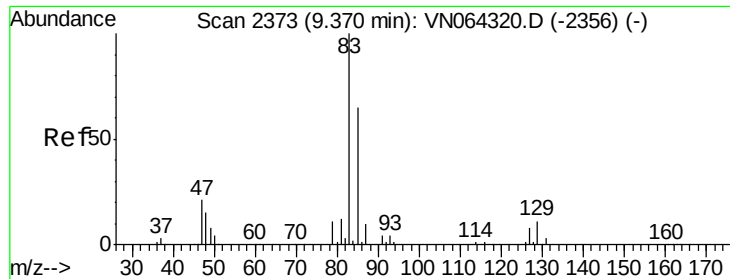
MMDadoda
 10/30/2020 1:35:27 PM



#46
 Dibromomethane
 Concen: 55.091 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 93 Resp: 126573
 Ion Ratio Lower Upper
 93 100
 95 81.5 64.4 96.6
 174 93.0 71.4 107.0





#47

Bromodichloromethane

Concen: 52.788 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

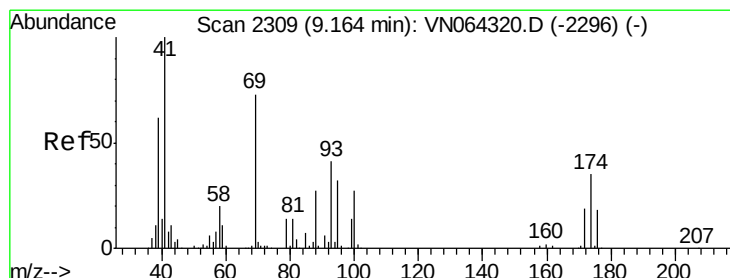
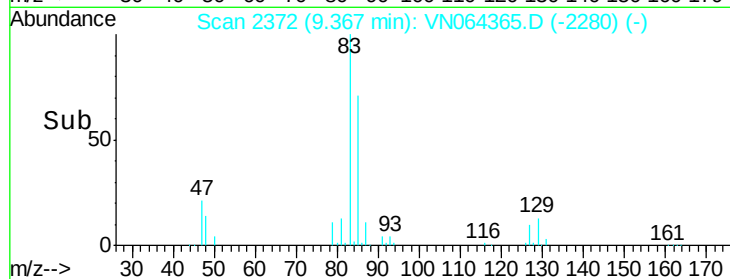
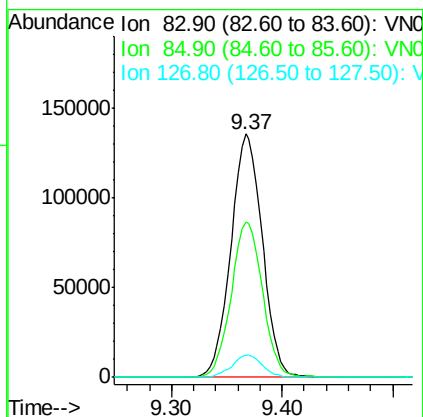
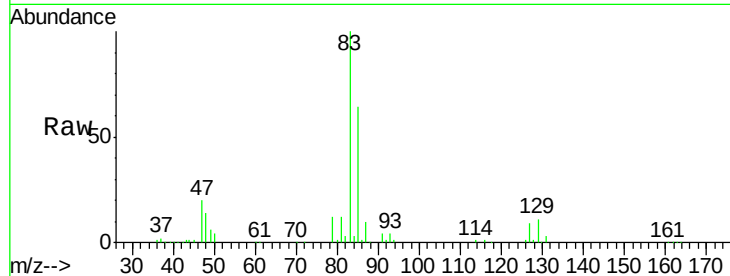
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	268778
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.1	78.1
127	9.3	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#48

Methyl methacrylate

Concen: 52.533 ug/l

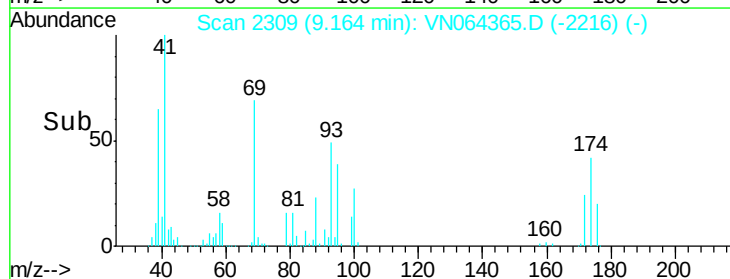
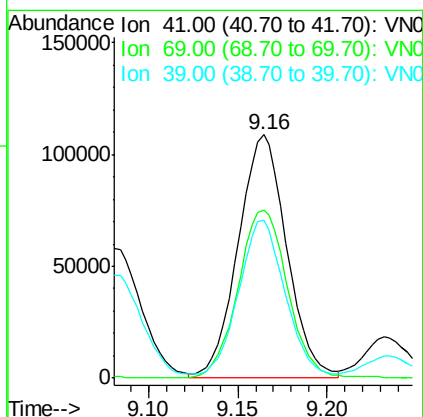
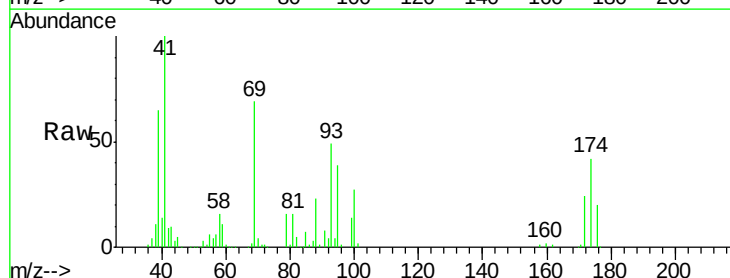
RT: 9.16 min Scan# 2309

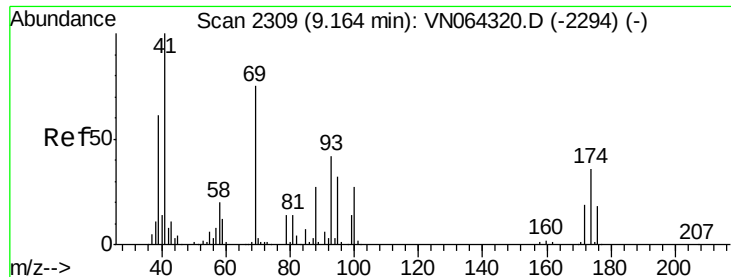
Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion:	41	Resp:	206196
Ion Ratio	Lower	Upper	
41	100		
69	71.1	59.1	88.7
39	63.1	51.3	76.9





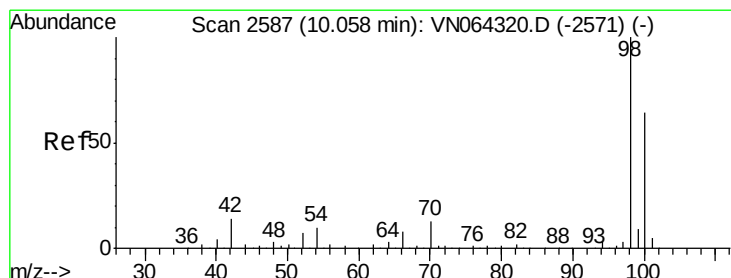
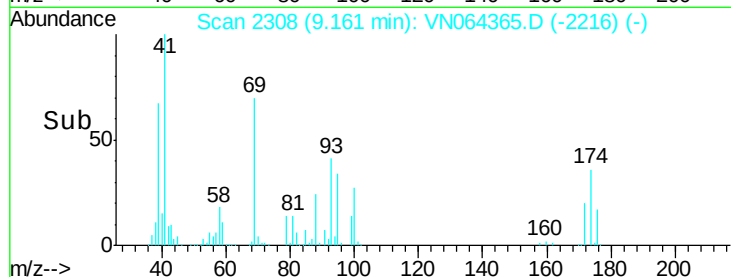
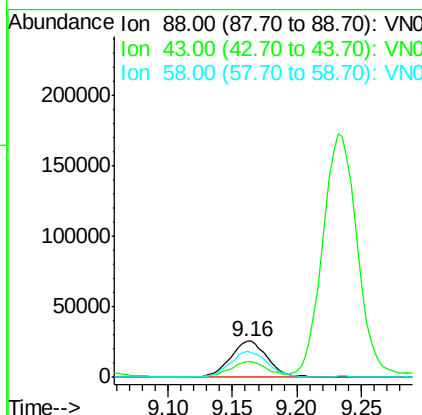
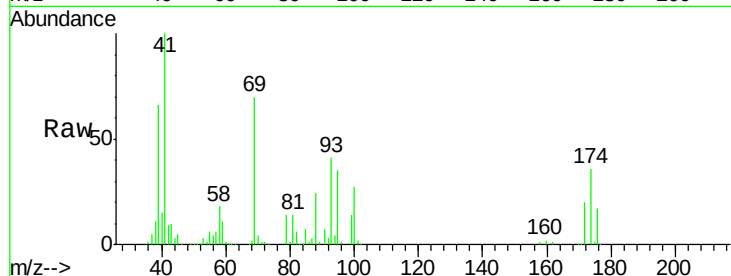
#49
1,4-Dioxane
Concen: 899.067 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	31.8	47.8
58	71.3	60.3	90.5

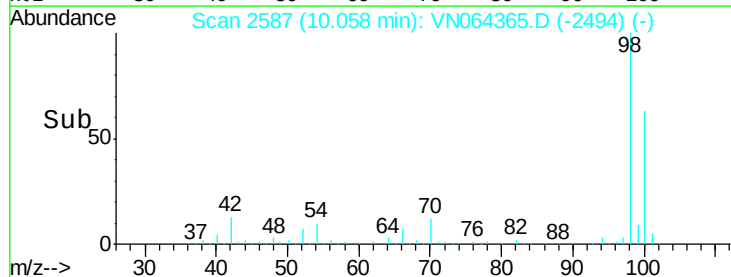
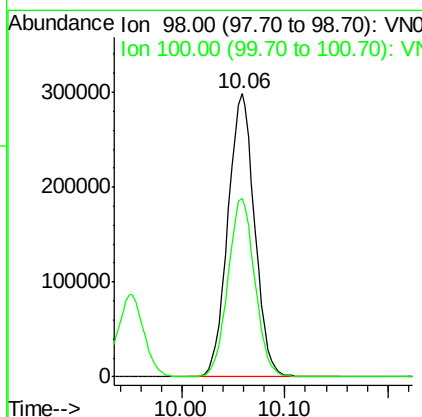
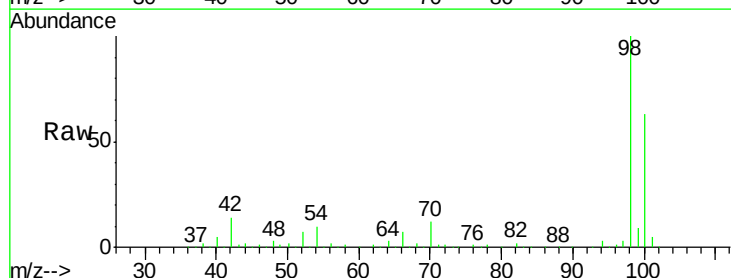
Manual Integrations
APPROVED

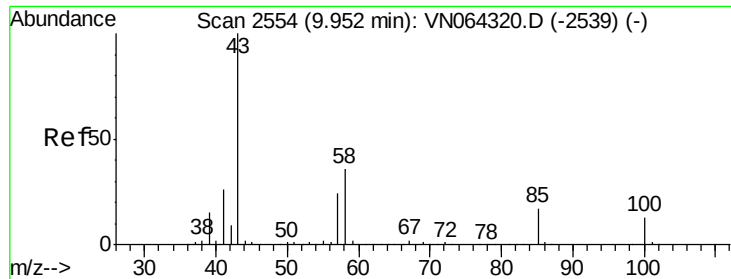
MMDadoda
10/30/2020 1:35:27 PM



#50
Toluene-d8
Concen: 50.116 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 260.285 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1151042

Ion Ratio Lower Upper

43 100

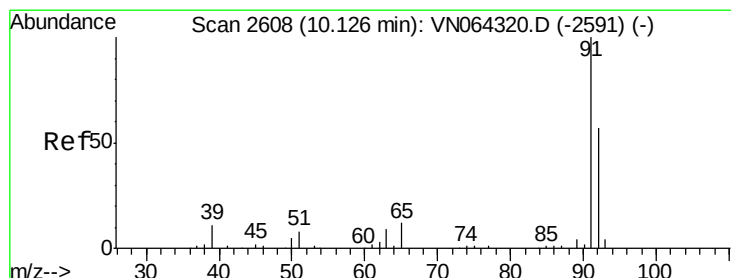
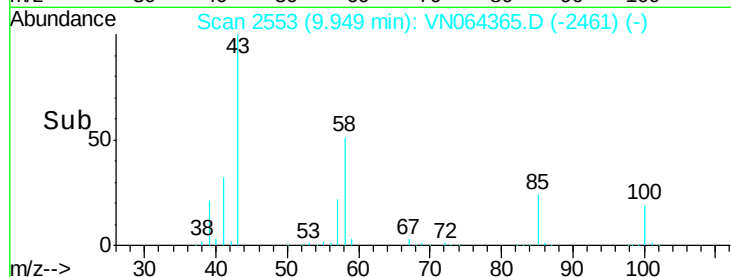
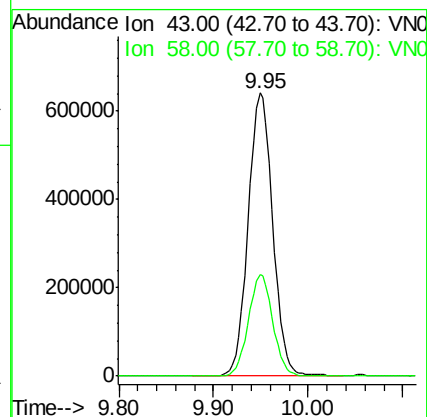
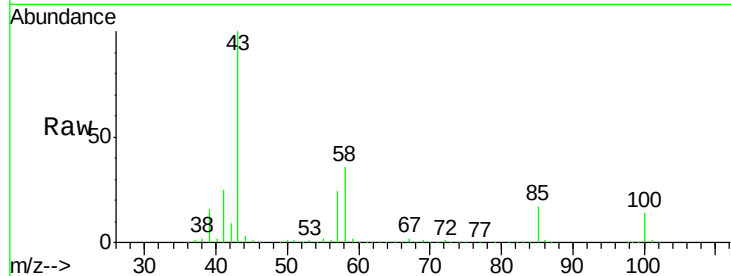
58 35.8 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:27 PM



#52

Toluene

Concen: 53.372 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064365.D

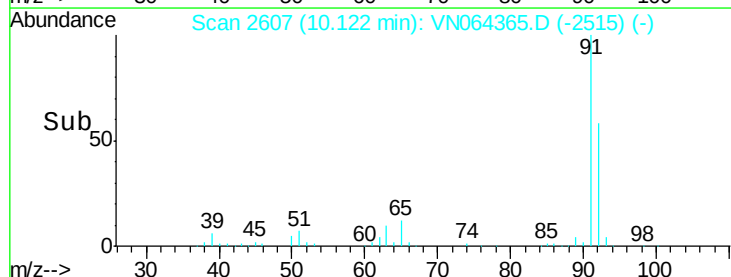
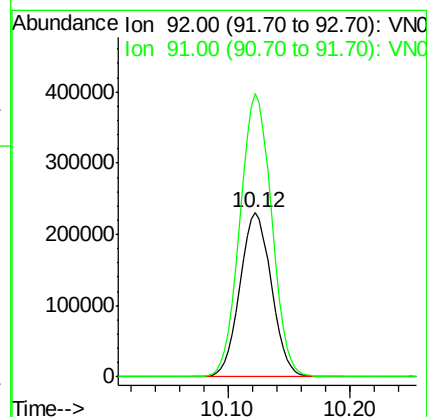
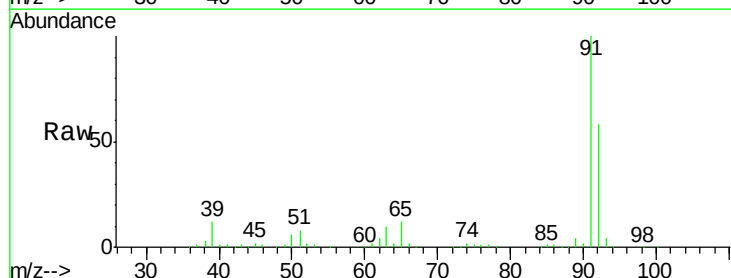
Acq: 29 Oct 2020 10:59

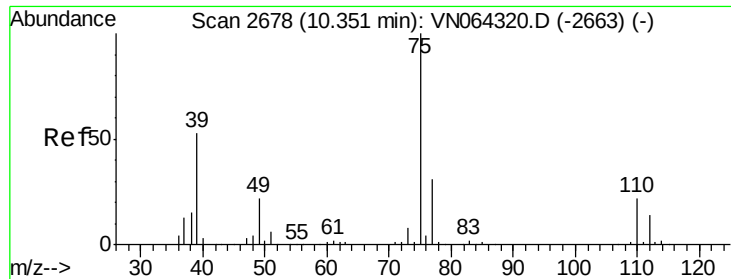
Tgt Ion: 92 Resp: 413043

Ion Ratio Lower Upper

92 100

91 173.1 139.9 209.9





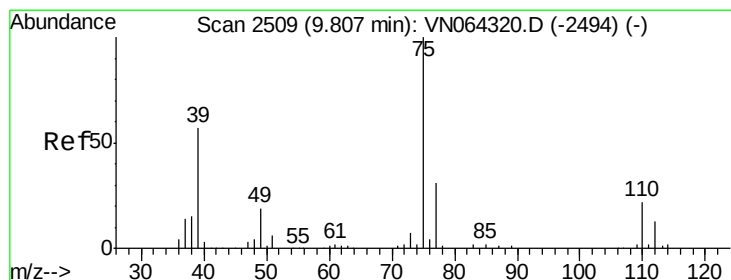
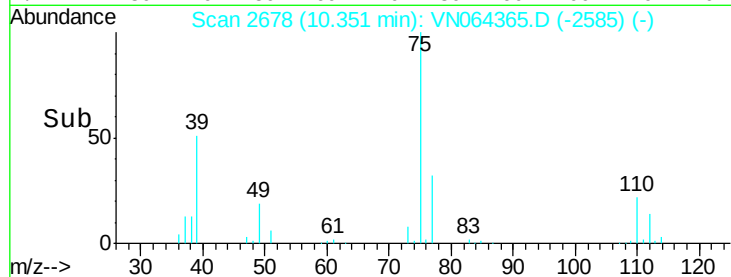
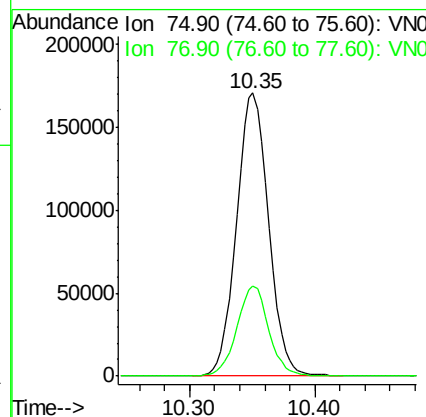
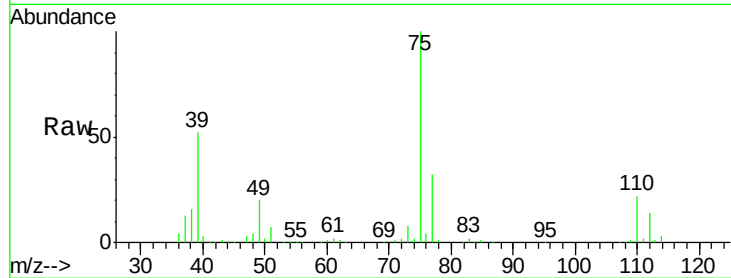
#53
t-1,3-Dichloropropene
Concen: 56.456 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

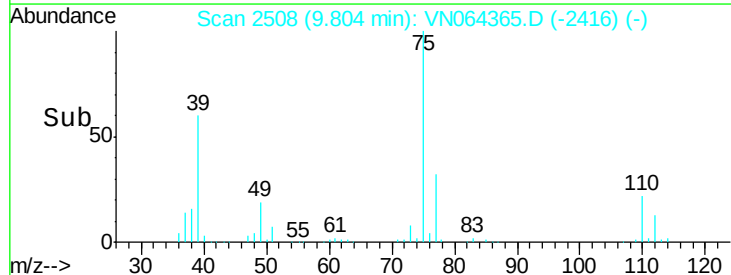
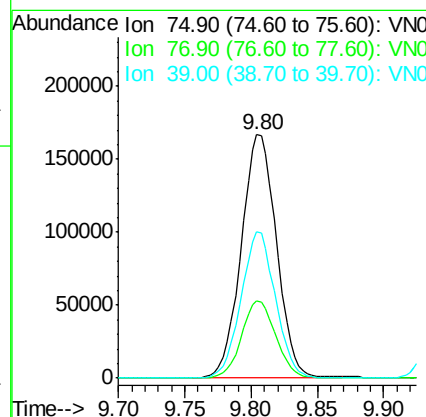
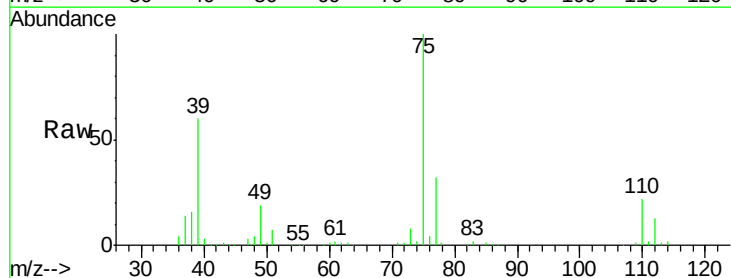
Manual Integrations
APPROVED

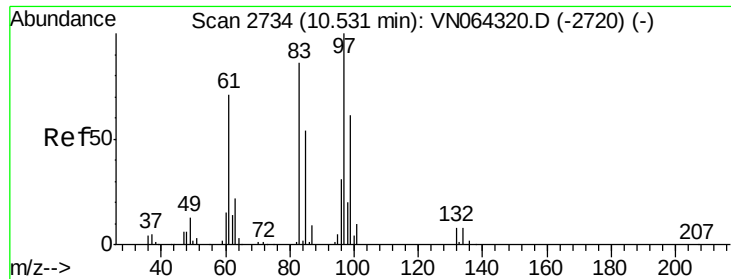
MMDadoda
10/30/2020 1:35:27 PM



#54
cis-1,3-Dichloropropene
Concen: 55.655 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	60.2	45.5	68.3





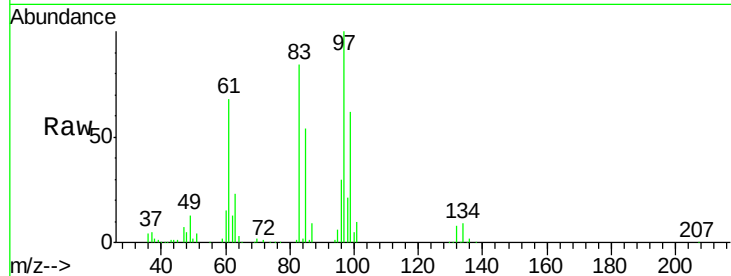
#55
 1,1,2-Trichloroethane
 Concen: 54.612 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	166829		
83	84.5	68.9	103.3	
85	54.1	43.6	65.4	
99	62.4	49.2	73.8	

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:35:27 PM



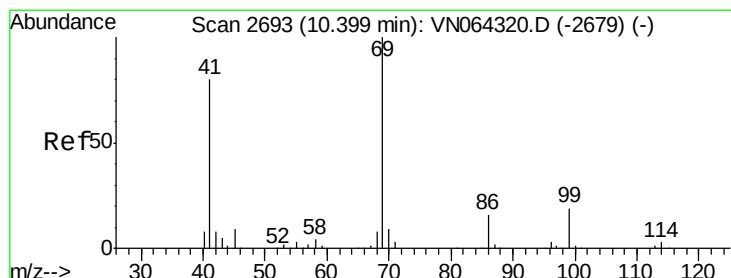
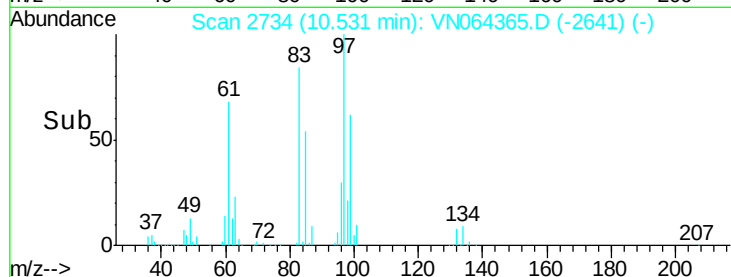
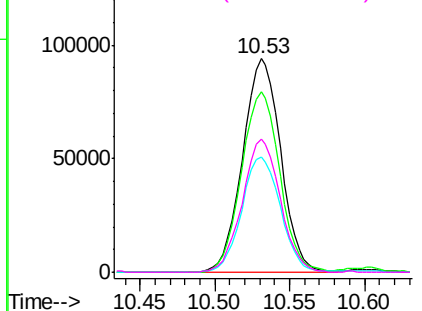
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

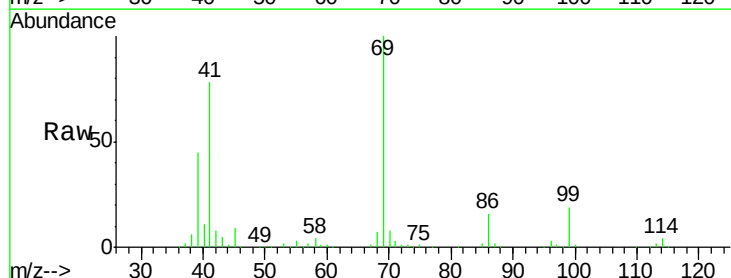
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 55.863 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	258327		
41	75.9	61.4	92.2	
39	44.5	36.5	54.7	

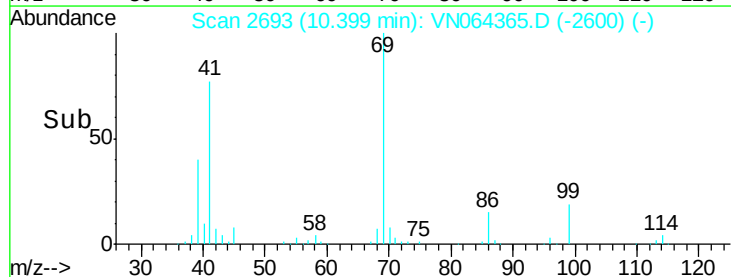
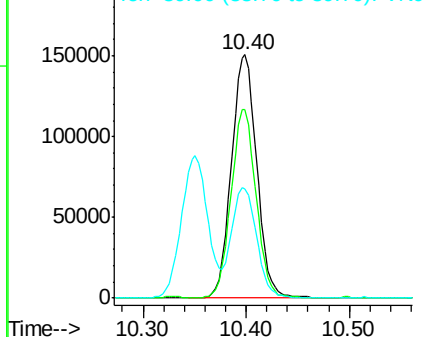


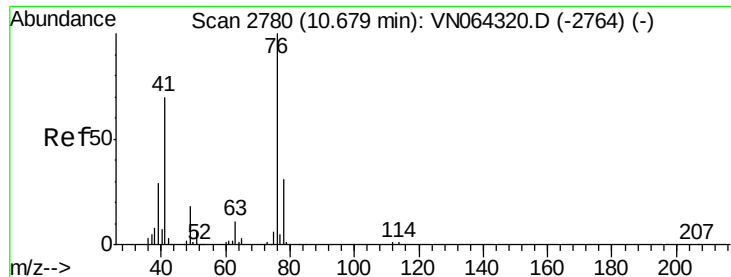
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.078 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 287008

Ion Ratio Lower Upper

76 100

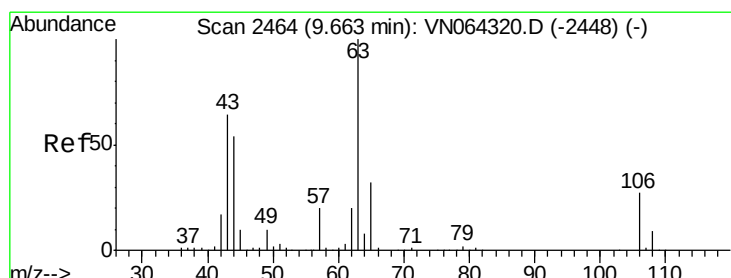
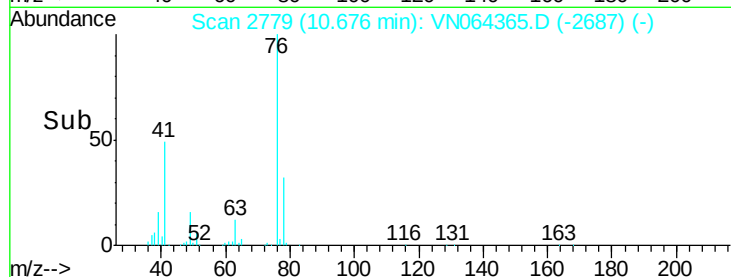
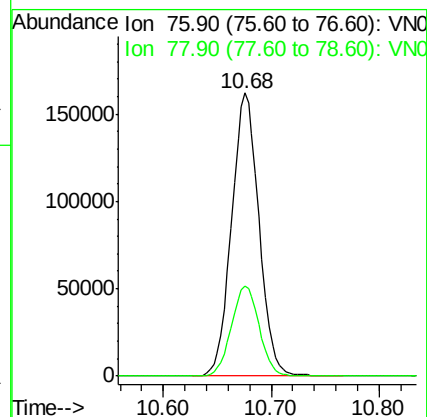
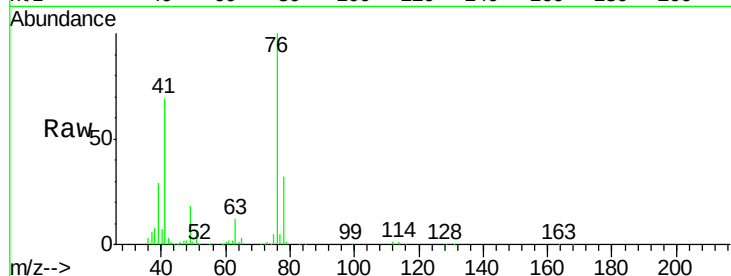
78 32.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:27 PM



#58

2-Chloroethyl Vinyl ether

Concen: 231.643 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064365.D

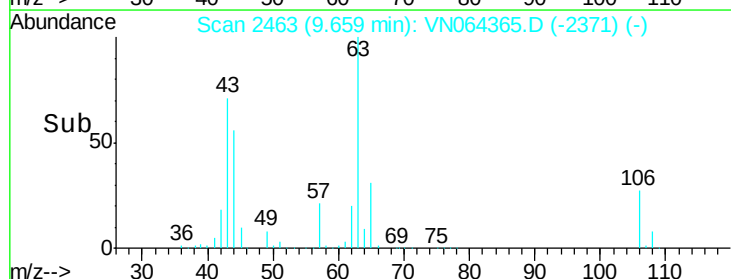
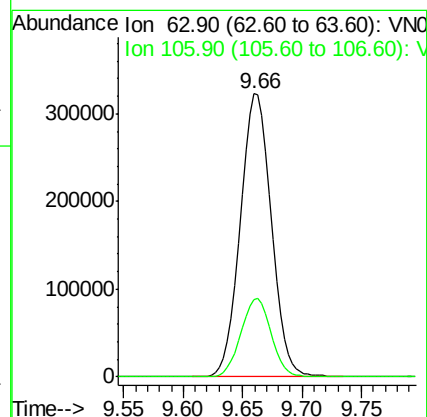
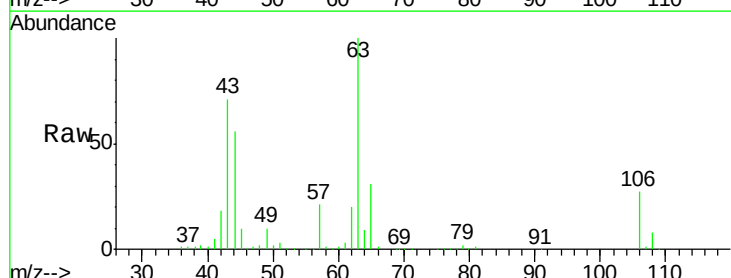
Acq: 29 Oct 2020 10:59

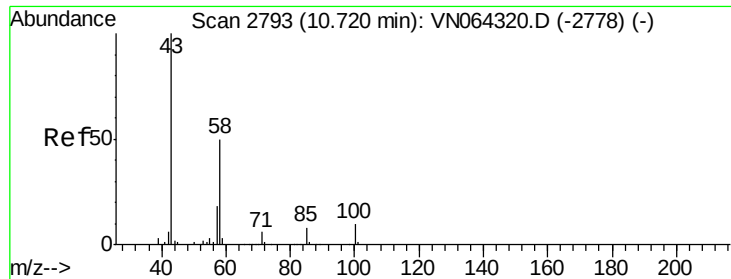
Tgt Ion: 63 Resp: 584531

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.4





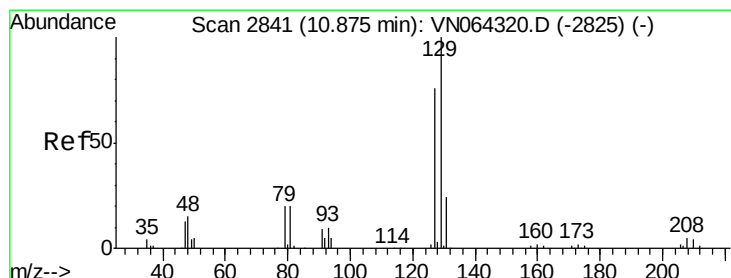
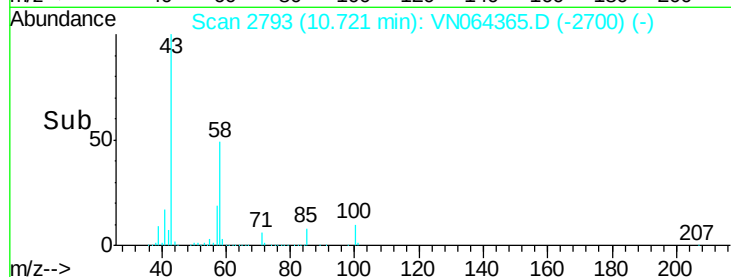
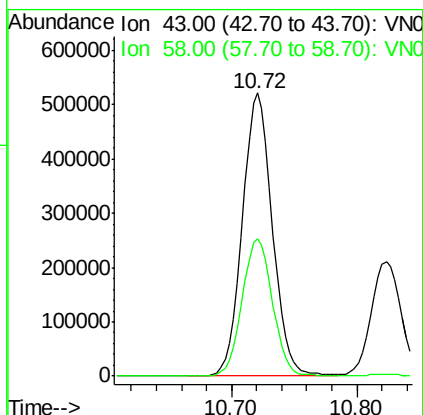
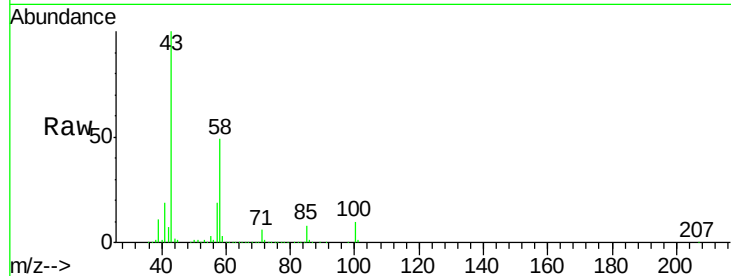
#59
2-Hexanone
Concen: 265.328 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 864167
Ion Ratio Lower Upper
43 100
58 49.4 25.0 75.0

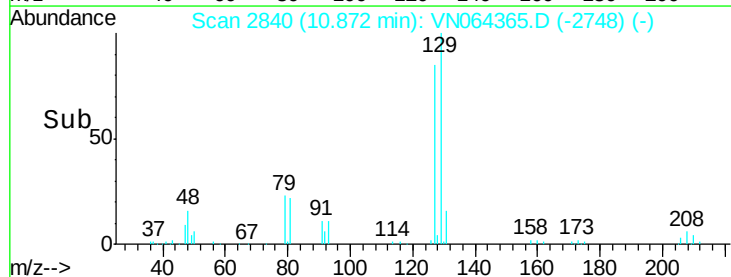
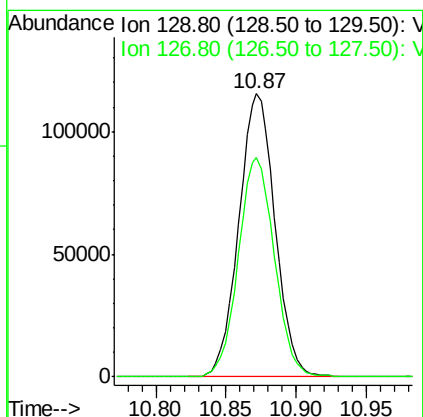
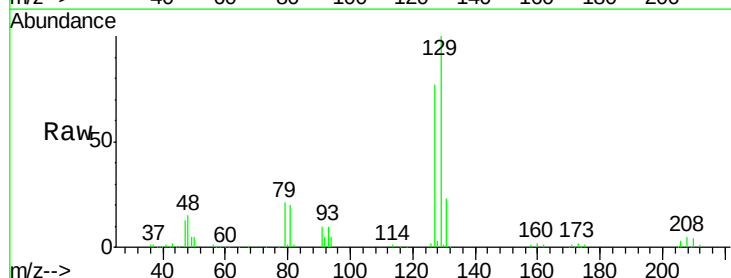
Manual Integrations
APPROVED

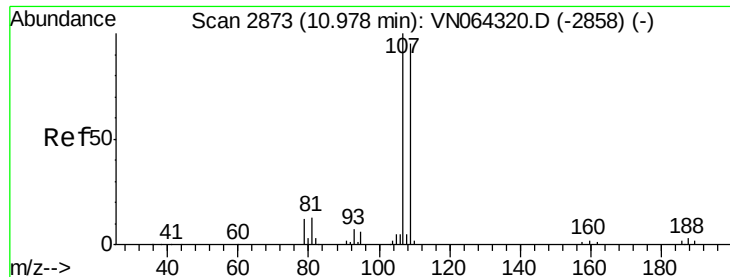
MMDadoda
10/30/2020 1:35:27 PM



#60
Dibromochloromethane
Concen: 57.472 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 129 Resp: 207580
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 56.028 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 174394

Ion Ratio Lower Upper

107 100

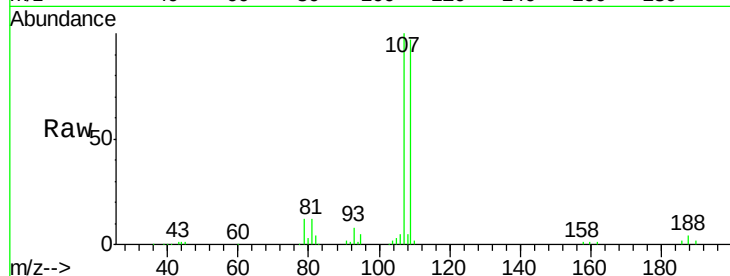
109 97.6 75.8 113.8

Manual Integrations

APPROVED

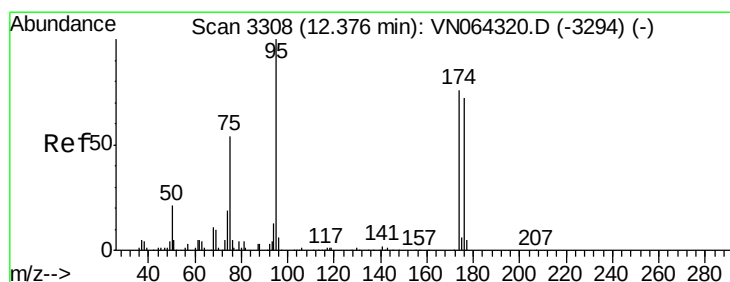
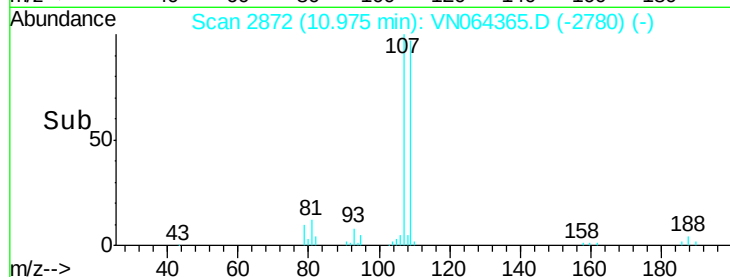
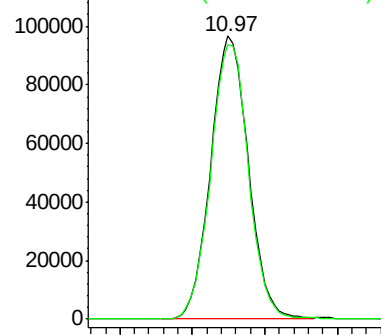
MMDadoda

10/30/2020 1:35:27 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.365 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

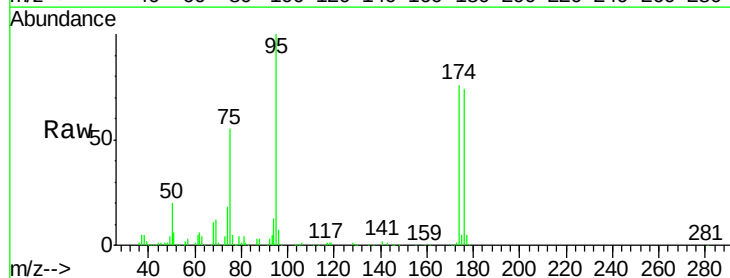
Tgt Ion: 95 Resp: 207267

Ion Ratio Lower Upper

95 100

174 77.3 0.0 147.4

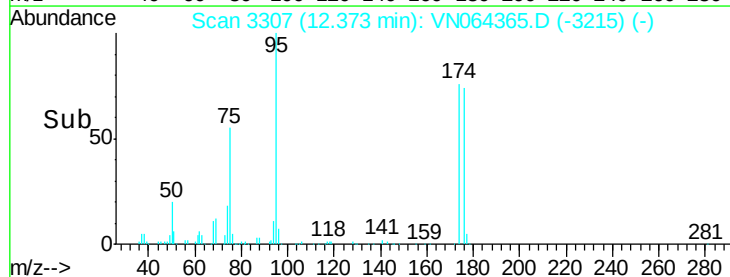
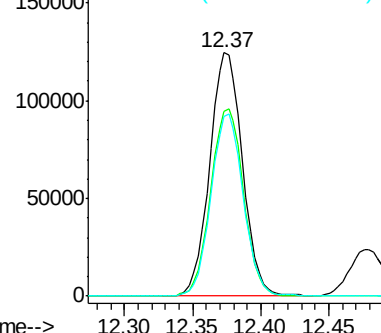
176 74.0 0.0 143.6

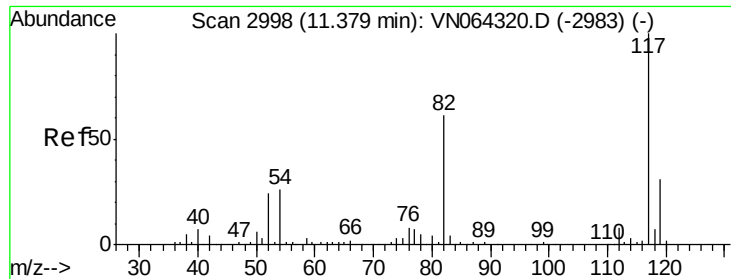


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





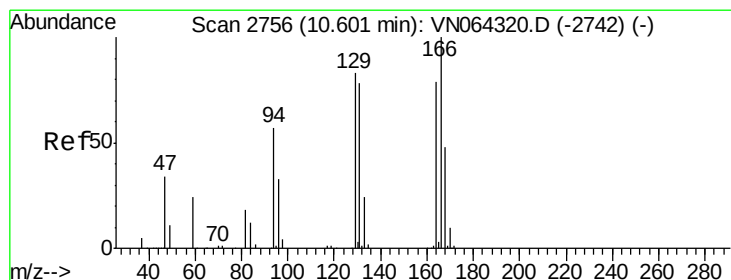
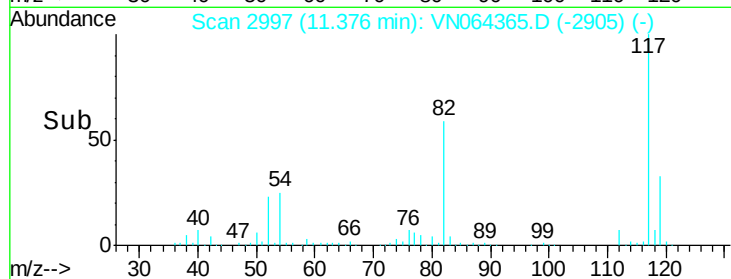
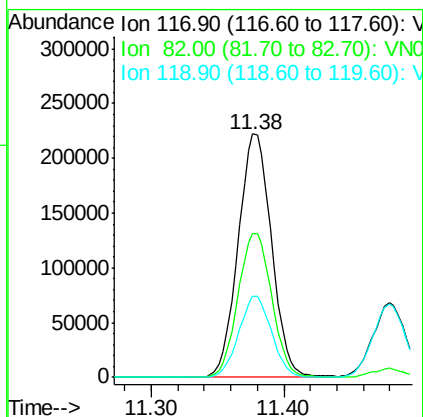
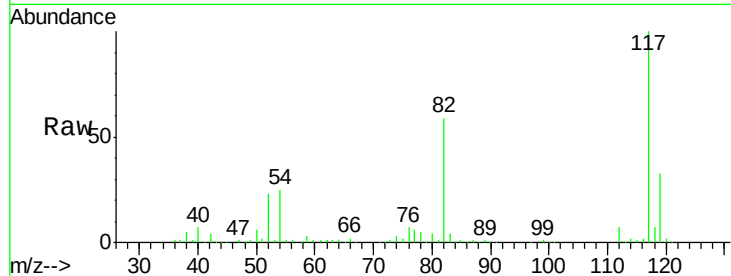
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.8	73.2
119	33.3	25.1	37.7

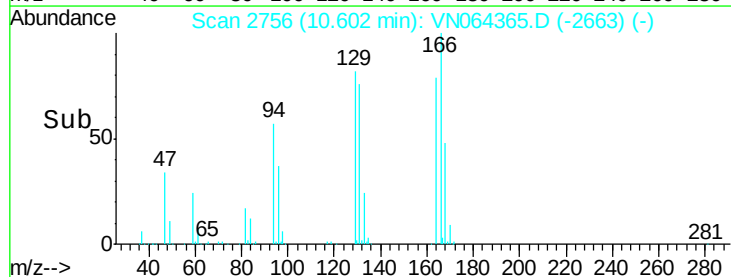
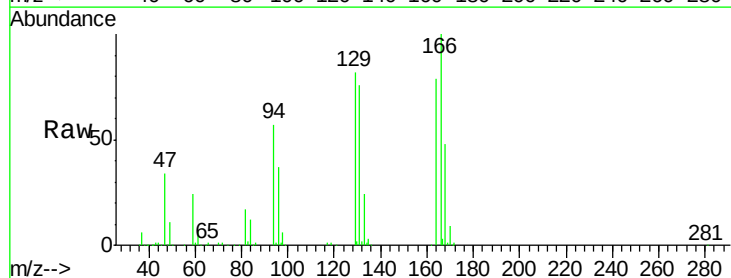
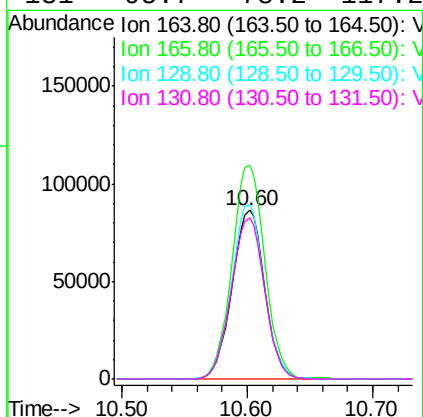
Manual Integrations
APPROVED

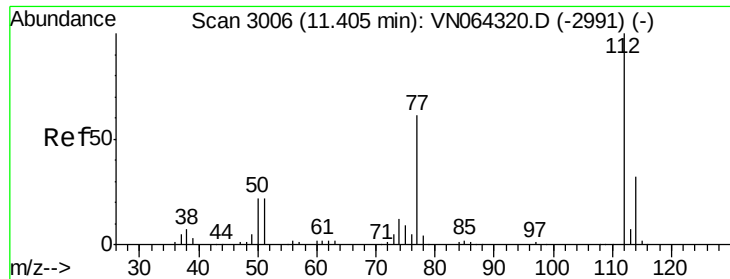
MMDadoda
10/30/2020 1:35:27 PM



#64
Tetrachloroethene
Concen: 48.794 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	100.7	151.1
129	103.2	83.7	125.5
131	95.7	78.2	117.2





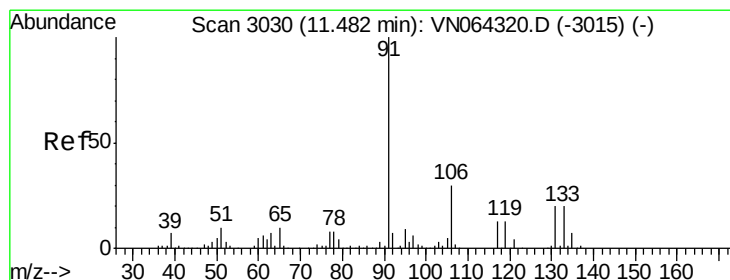
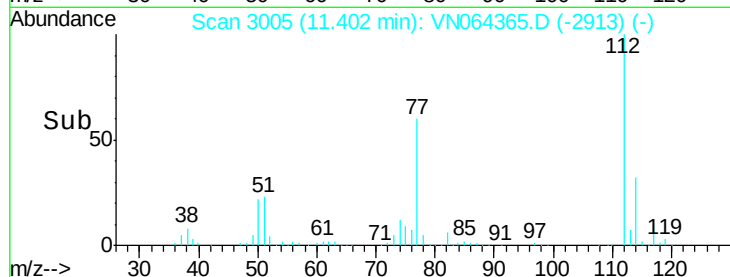
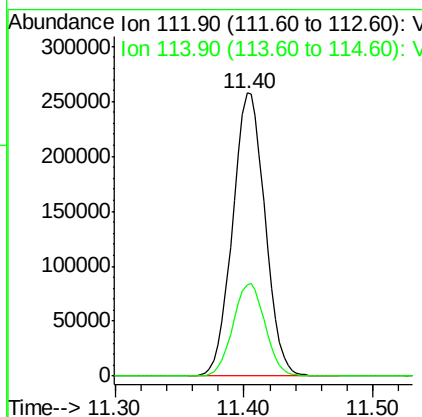
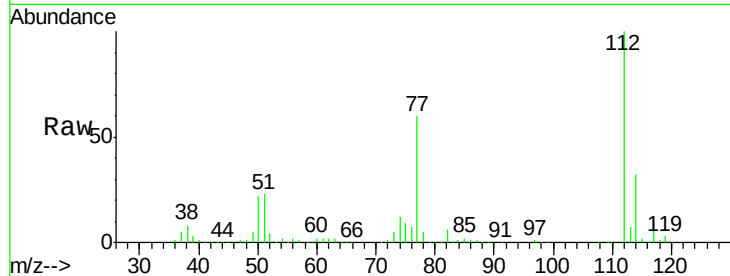
#65
Chlorobenzene
Concen: 56.977 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 449850
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

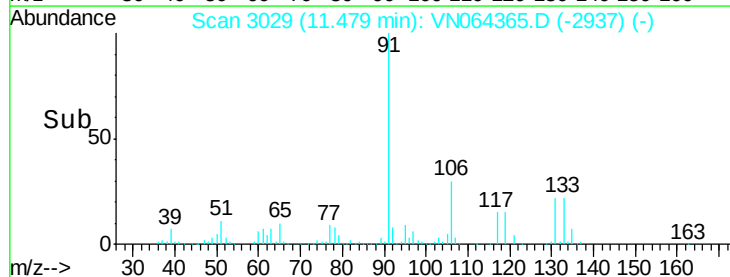
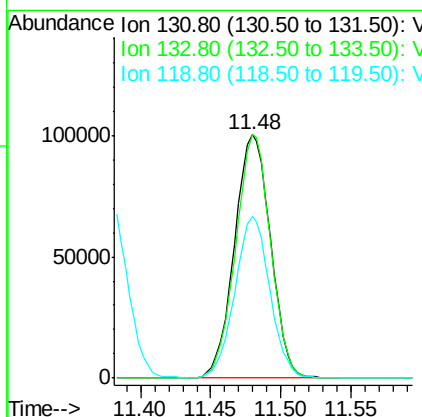
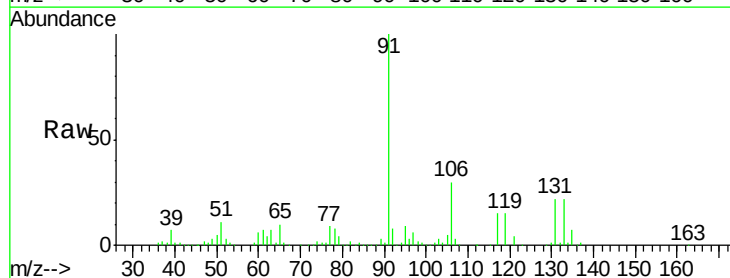
Manual Integrations
APPROVED

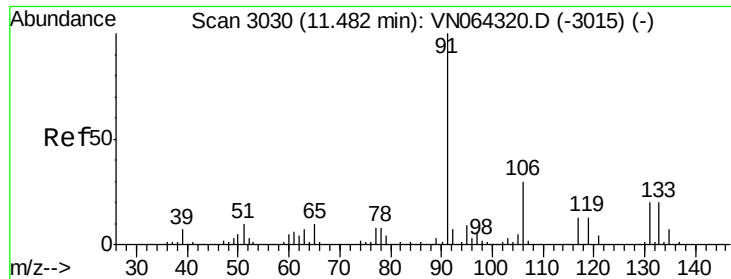
MMDadoda
10/30/2020 1:35:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.278 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion:131 Resp: 179591
Ion Ratio Lower Upper
131 100
133 97.0 49.3 147.8
119 64.5 32.3 96.9





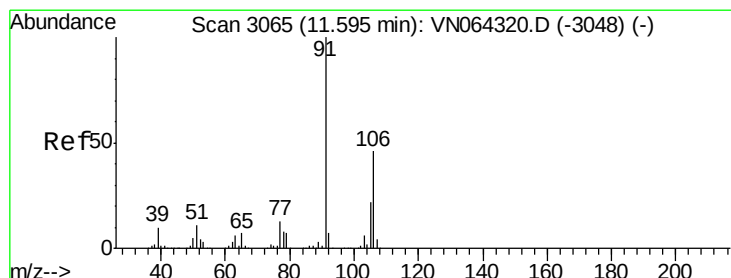
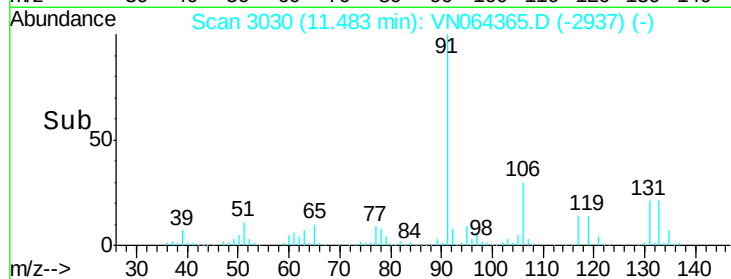
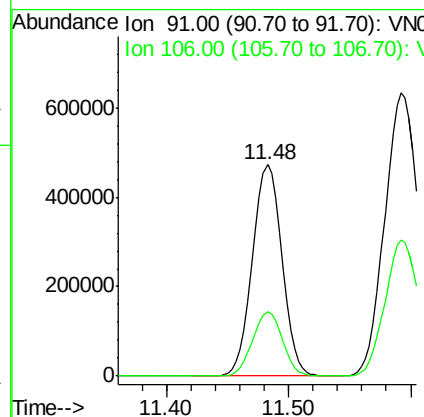
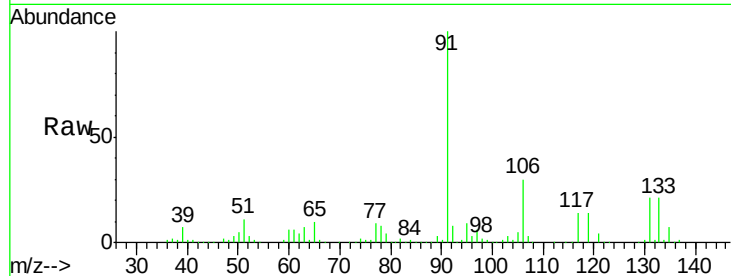
#67
Ethyl Benzene
Concen: 53.844 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 790353
Ion Ratio Lower Upper
91 100
106 30.5 23.7 35.5

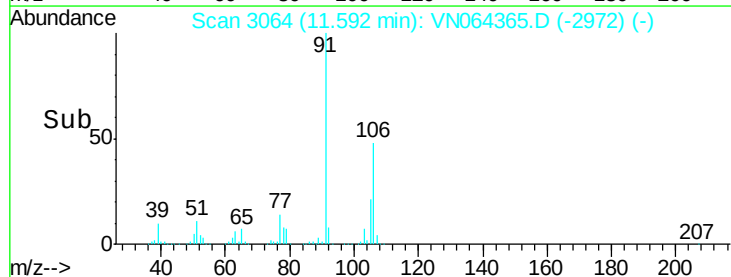
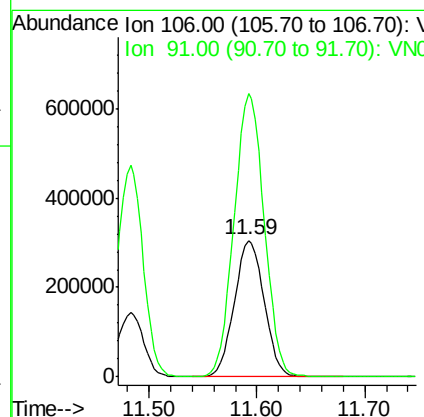
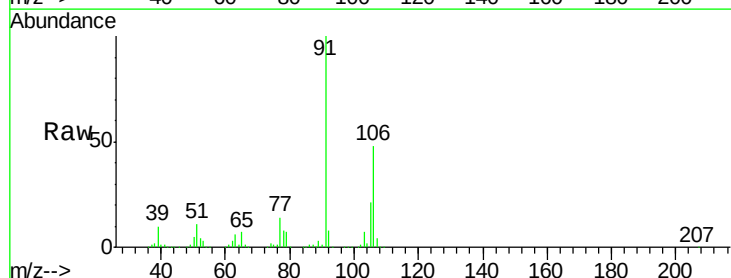
Manual Integrations
APPROVED

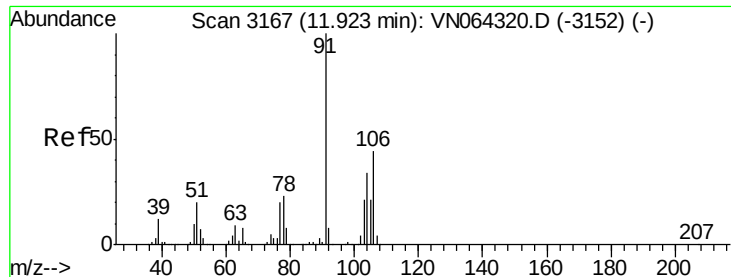
MMDadoda
10/30/2020 1:35:27 PM



#68
m/p-Xylenes
Concen: 107.914 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 106 Resp: 587021
Ion Ratio Lower Upper
106 100
91 209.9 170.2 255.4





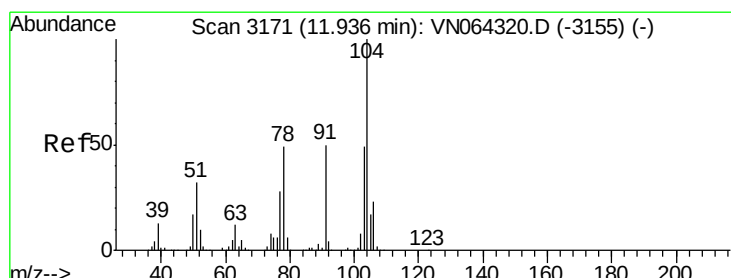
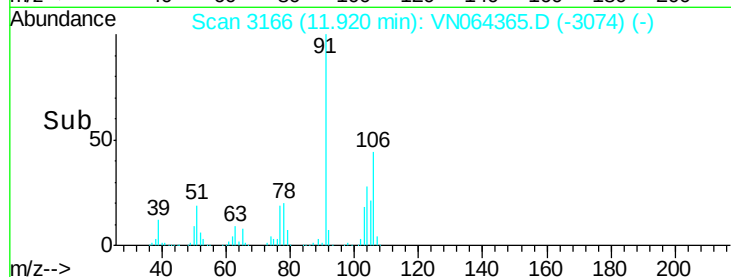
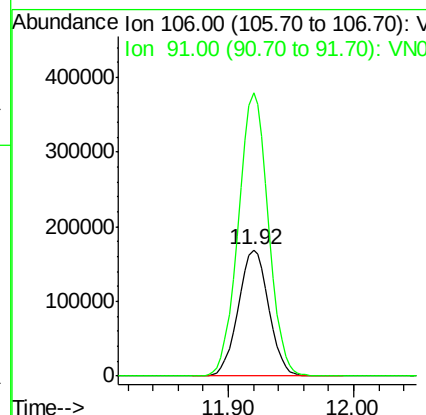
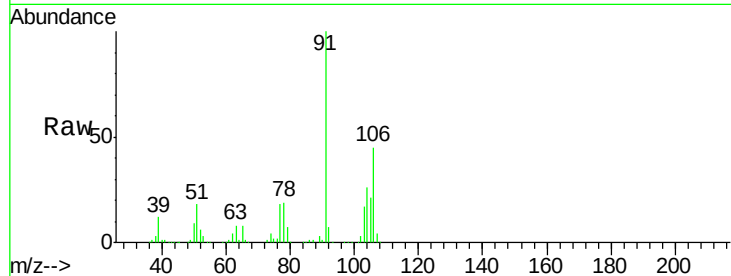
#69
o-Xylene
Concen: 54.288 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	284506		
91	91	221.3	114.5	343.5	

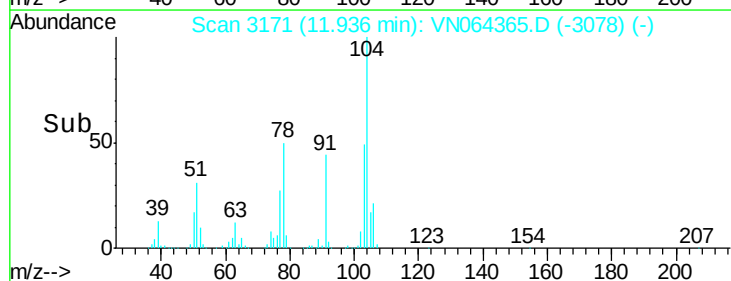
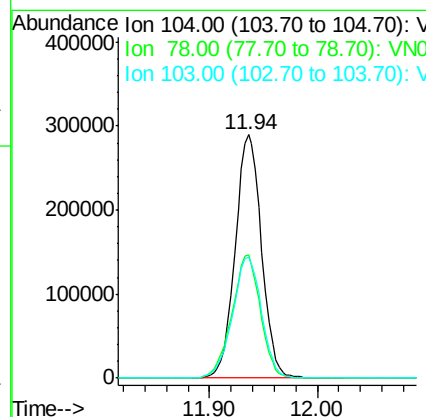
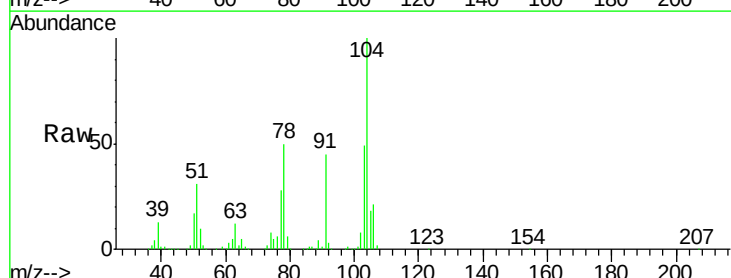
Manual Integrations
APPROVED

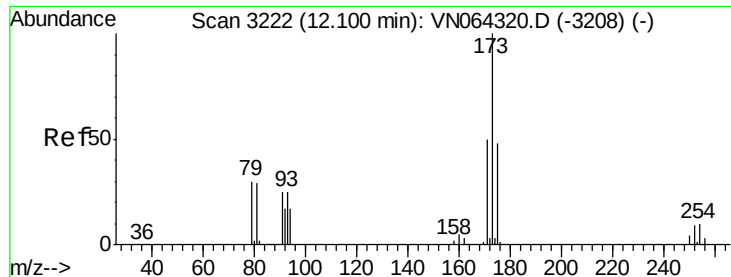
MMDadoda
10/30/2020 1:35:27 PM



#70
Styrene
Concen: 57.384 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	493078		
78	78	54.8	43.7	65.5	
103	103	54.7	43.3	64.9	





#71

Bromoform

Concen: 56.538 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 141603

Ion Ratio Lower Upper

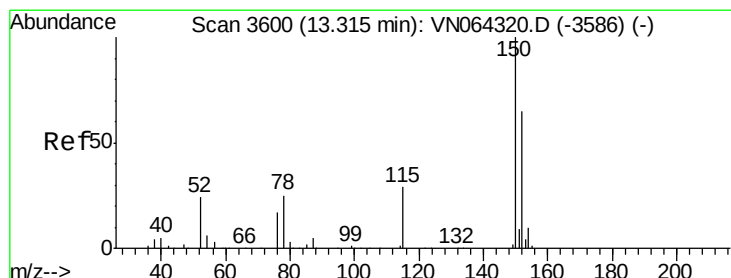
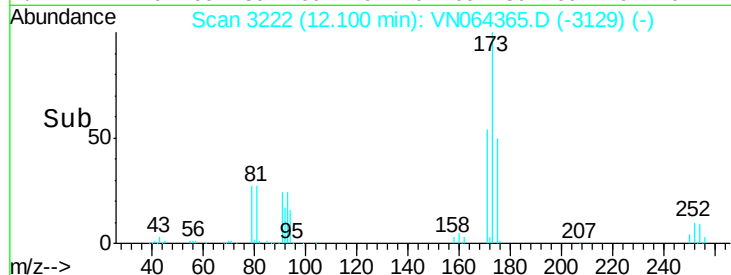
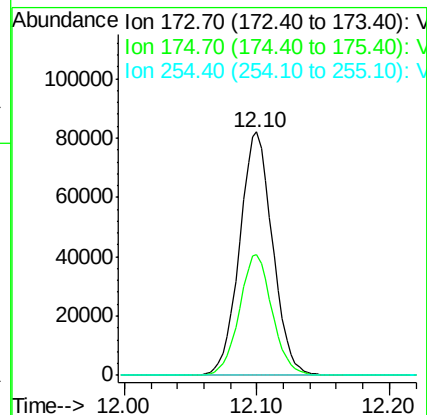
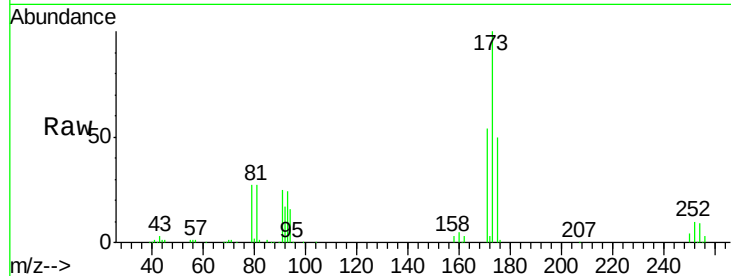
173 100

175 49.3 25.4 76.0

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

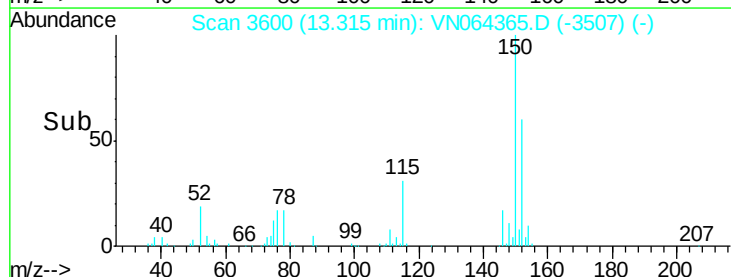
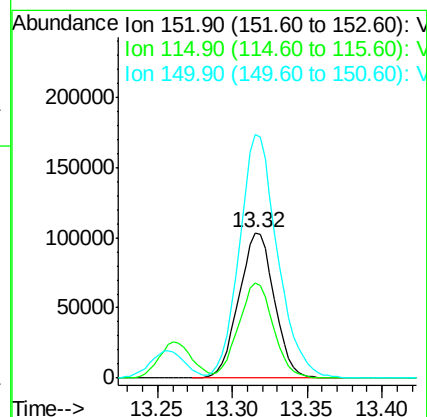
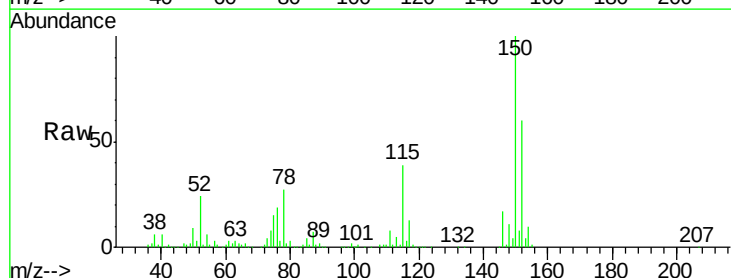
Tgt Ion:152 Resp: 170917

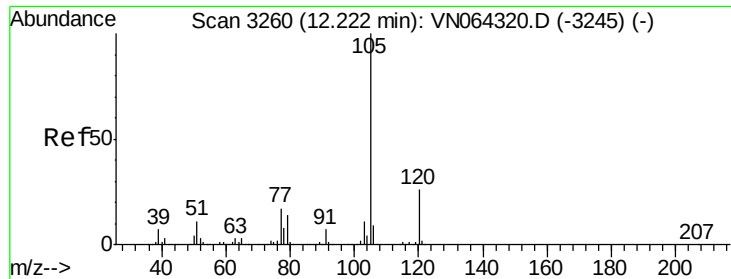
Ion Ratio Lower Upper

152 100

115 64.1 31.5 94.5

150 179.0 0.0 346.2





#73

Isopropylbenzene

Concen: 54.005 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 691323

Ion Ratio Lower Upper

105 100

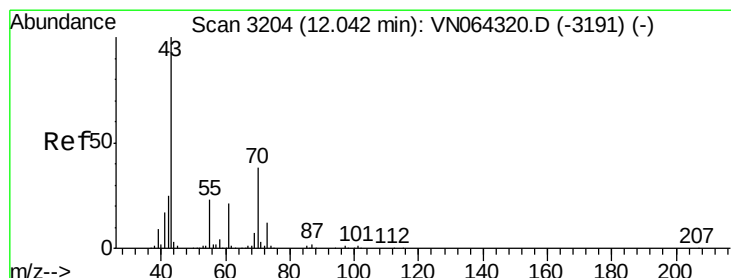
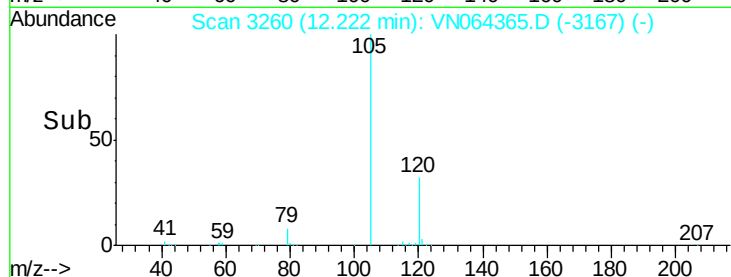
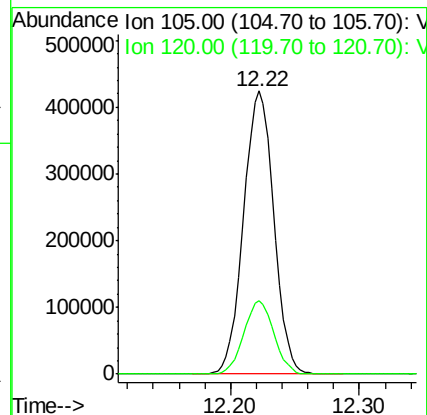
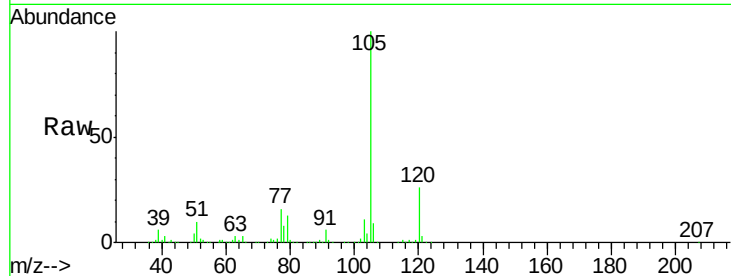
120 25.7 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:27 PM



#74

N-ethyl acetate

Concen: 64.037 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion: 43 Resp: 360822

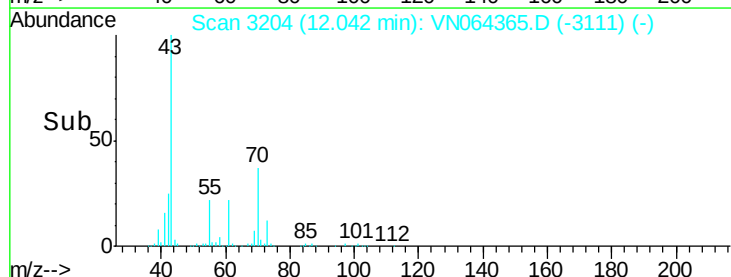
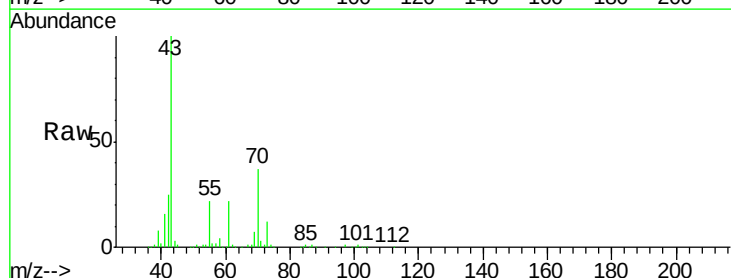
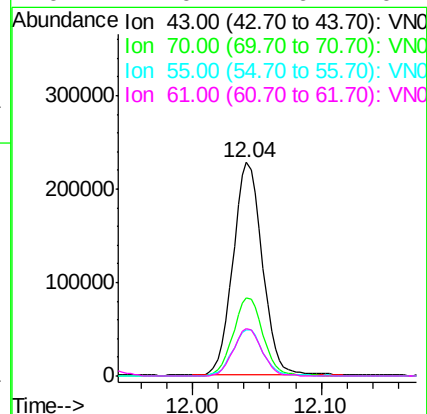
Ion Ratio Lower Upper

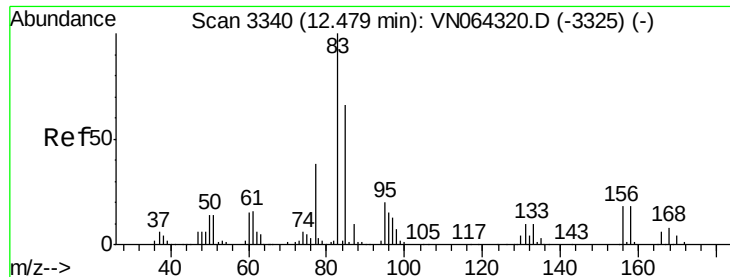
43 100

70 37.6 30.6 45.8

55 22.0 18.2 27.4

61 22.0 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 59.462 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

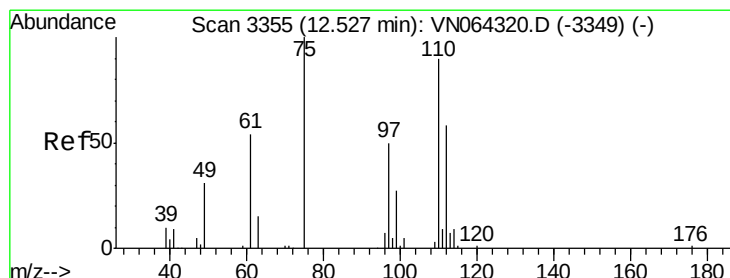
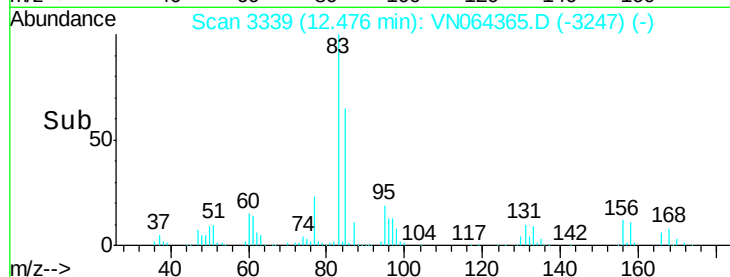
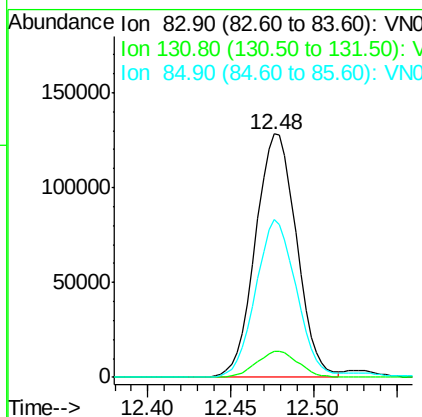
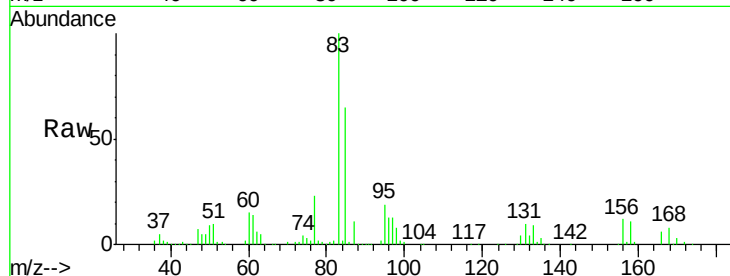
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	221256
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.0	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#76

1,2,3-Trichloropropane

Concen: 55.971 ug/l m

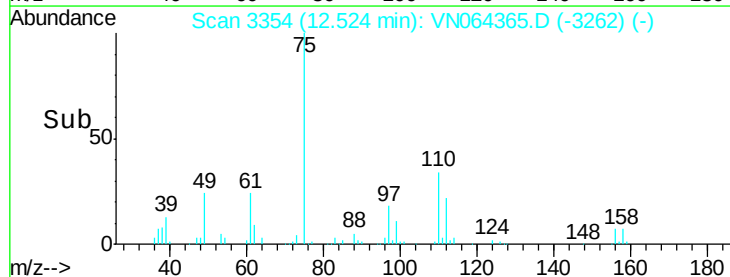
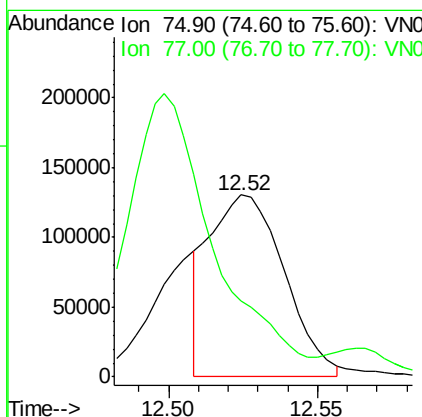
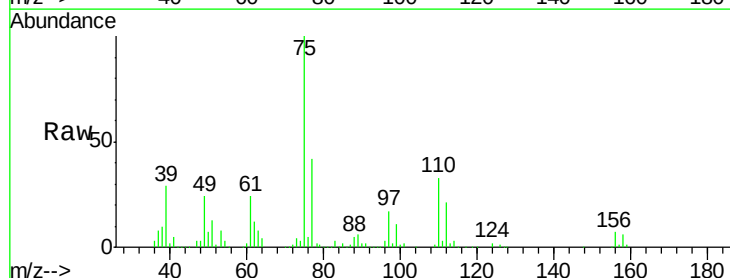
RT: 12.52 min Scan# 3354

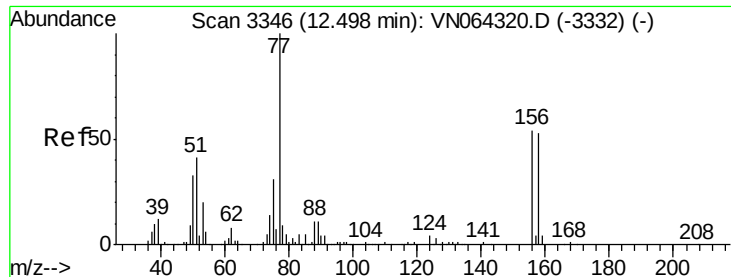
Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion:	75	Resp:	229090
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 61.041 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

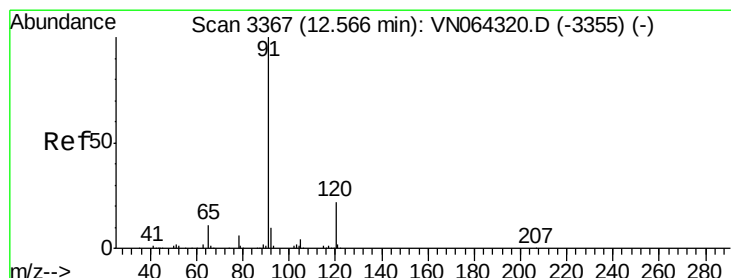
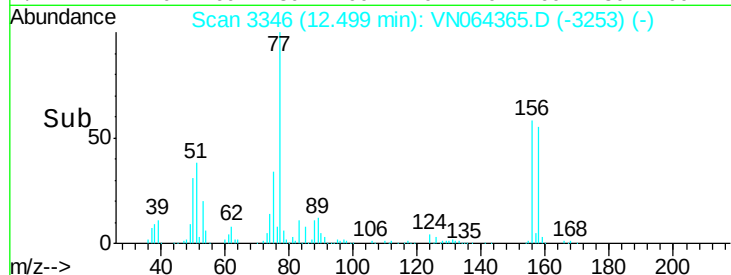
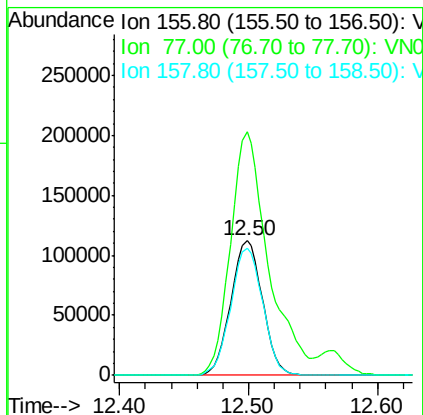
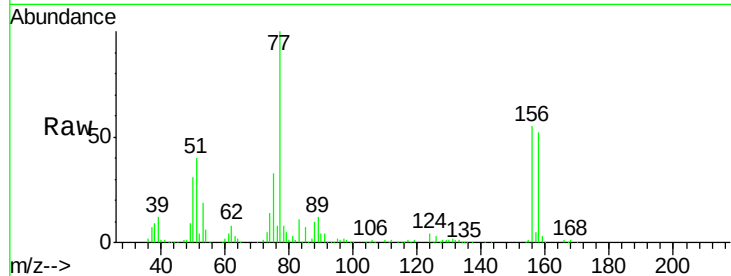
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	217.1	111.9	335.7	
158	95.9	49.0	147.0	

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#78

n-propylbenzene

Concen: 51.993 ug/l

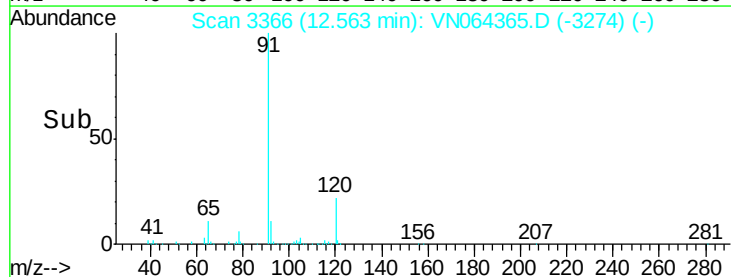
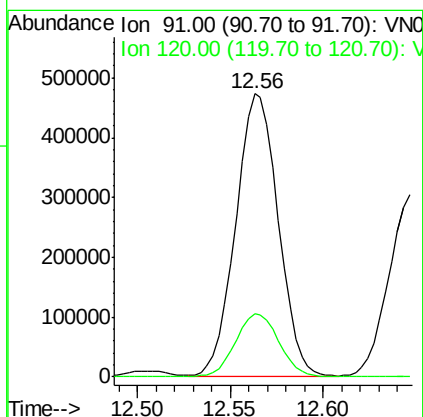
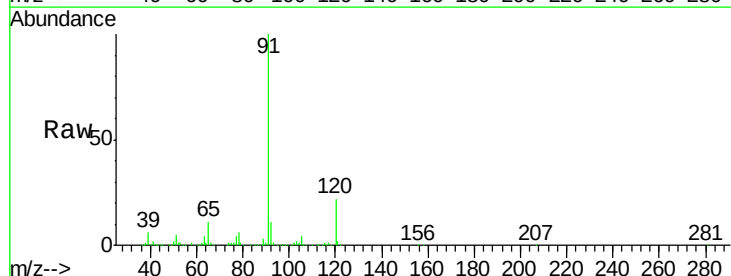
RT: 12.56 min Scan# 3366

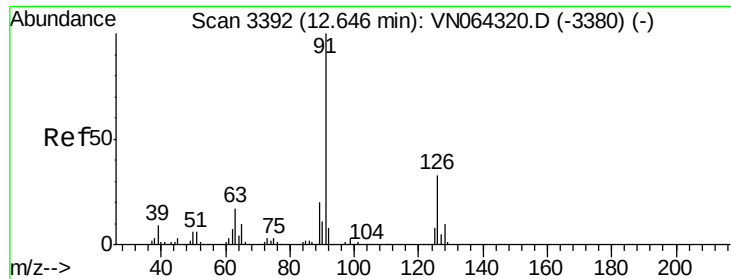
Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	11.2	33.5	





#79

2-Chlorotoluene

Concen: 54.752 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 507247

Ion Ratio Lower Upper

91 100

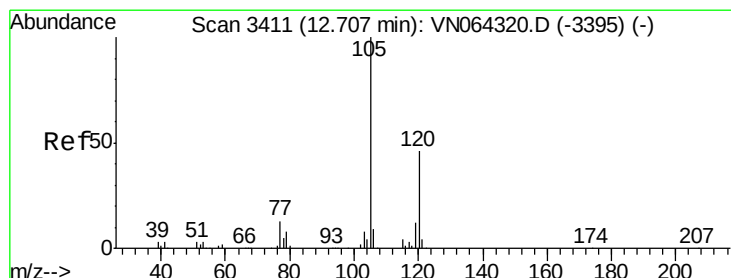
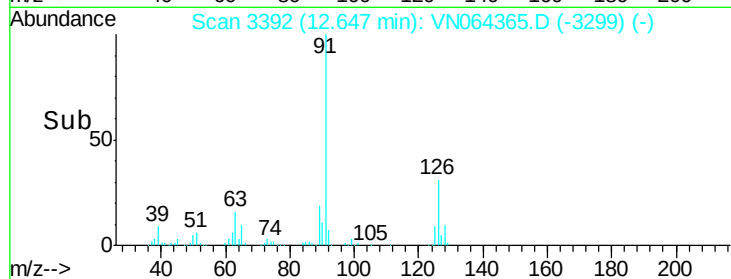
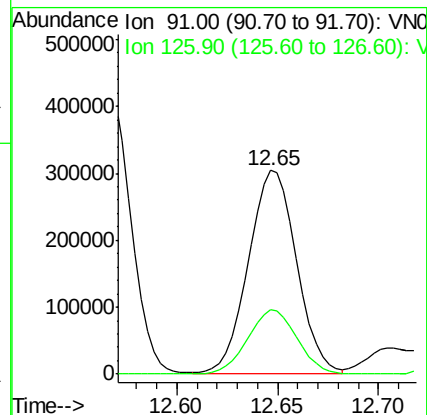
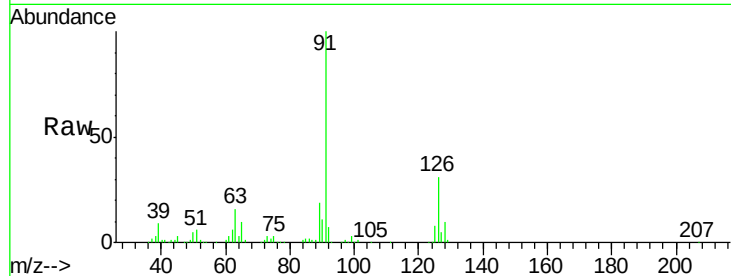
126 32.5 16.2 48.5

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:27 PM



#80

1,3,5-Trimethylbenzene

Concen: 51.281 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064365.D

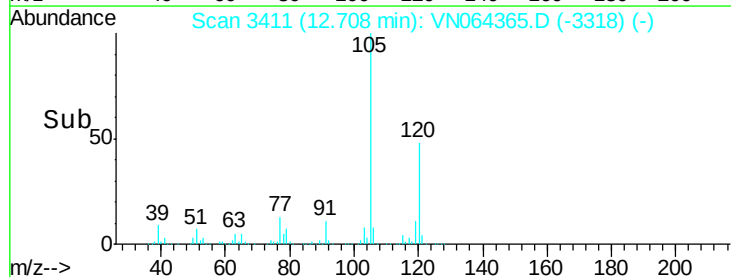
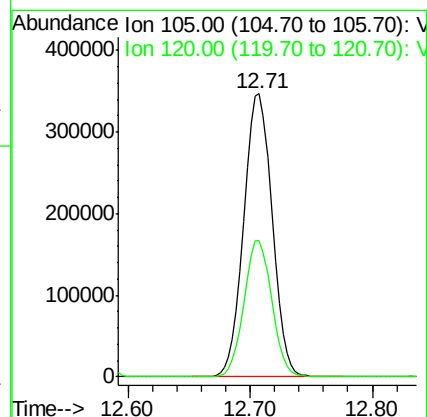
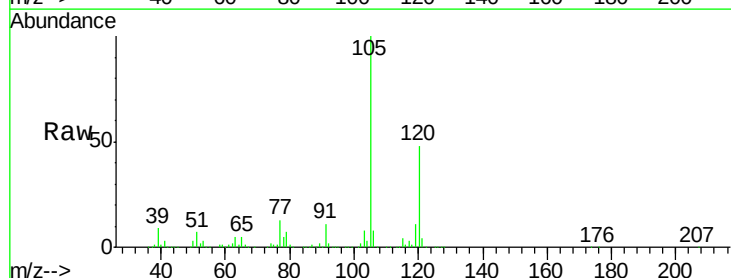
Acq: 29 Oct 2020 10:59

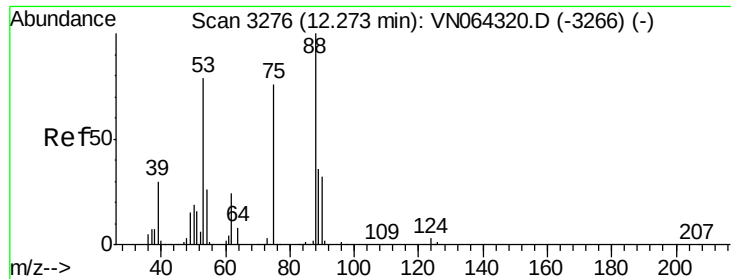
Tgt Ion: 105 Resp: 555464

Ion Ratio Lower Upper

105 100

120 46.9 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 60.499 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

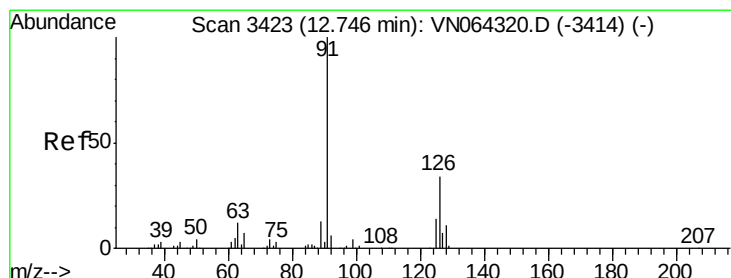
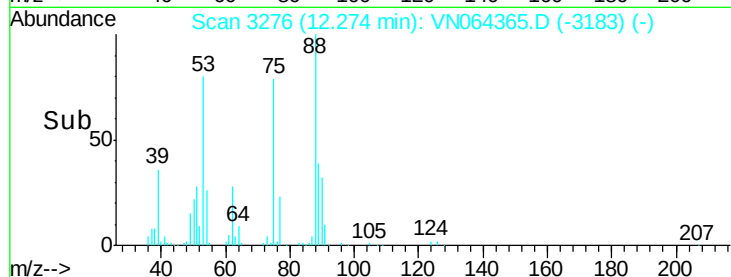
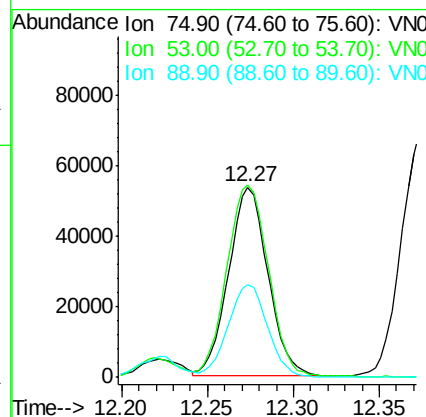
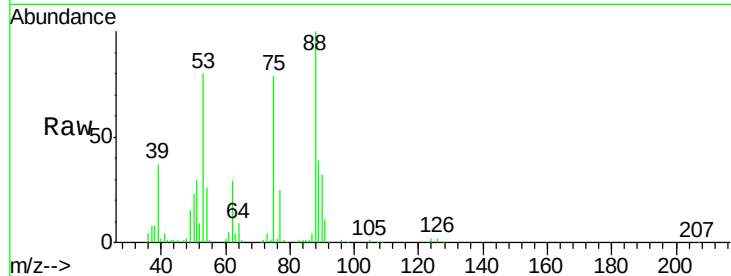
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	85965
Ion Ratio	Lower	Upper	
75	100		
53	107.9	81.8	122.8
89	49.5	39.9	59.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#82

4-Chlorotoluene

Concen: 56.921 ug/l

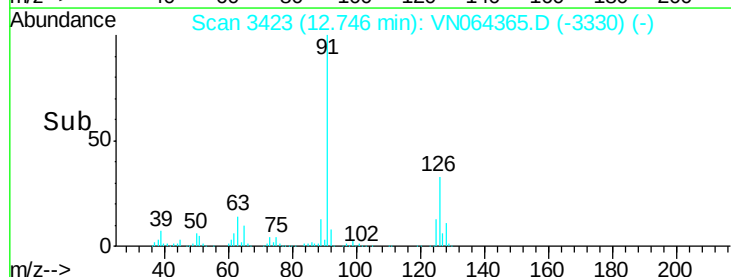
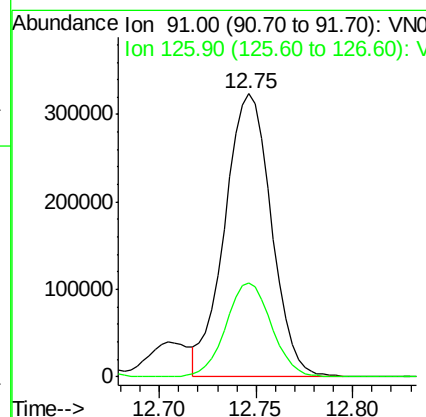
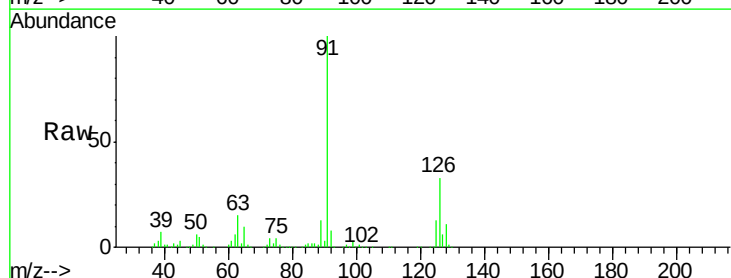
RT: 12.75 min Scan# 3423

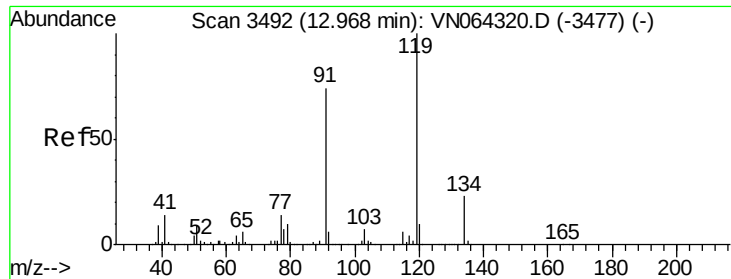
Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion:	91	Resp:	537213
Ion Ratio	Lower	Upper	
91	100		
126	32.8	15.8	47.3





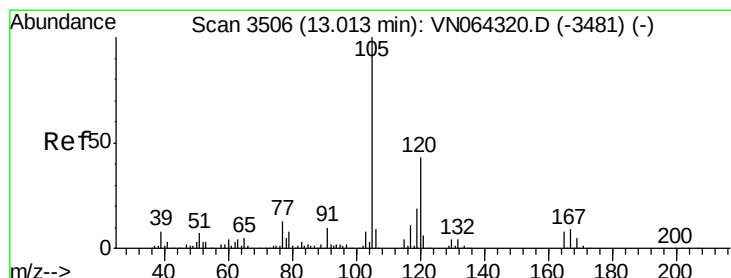
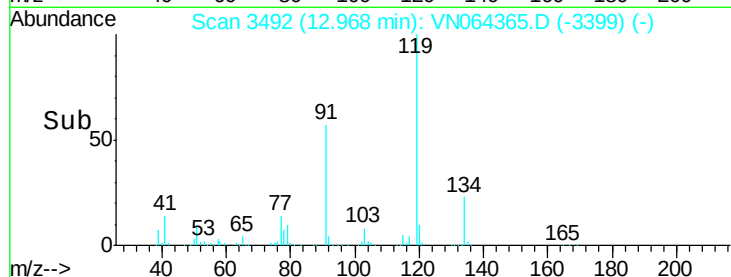
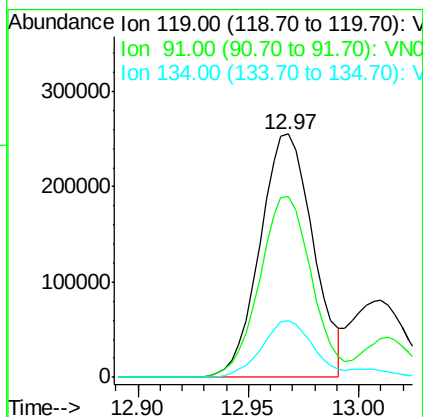
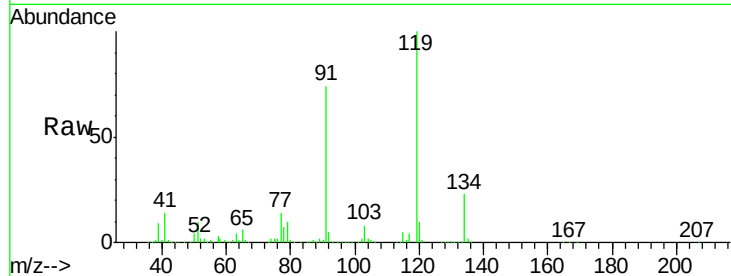
#83
 tert-Butylbenzene
 Concen: 47.891 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.8	36.4	109.1
134	22.7	12.0	36.1

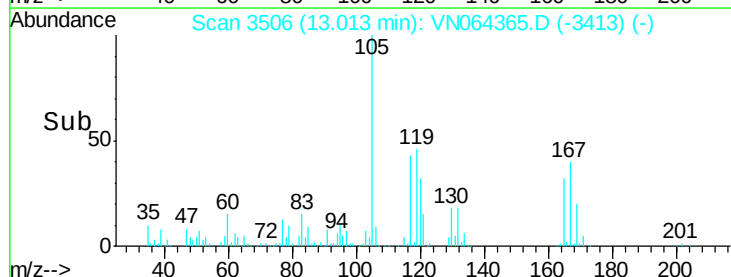
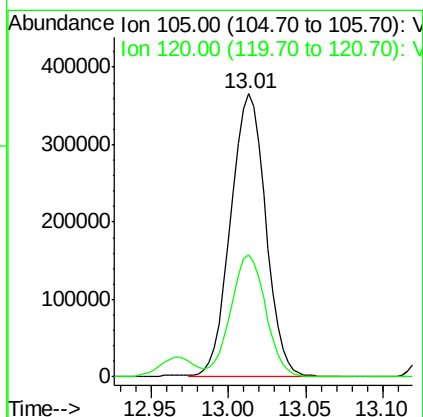
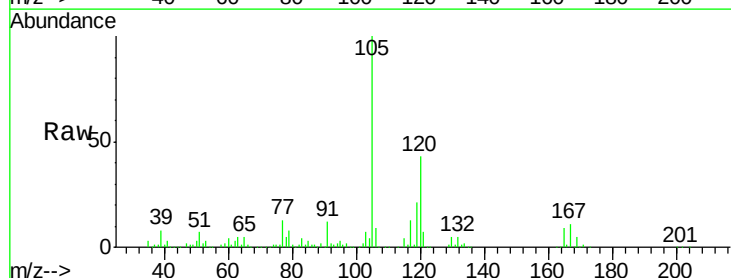
Manual Integrations
 APPROVED

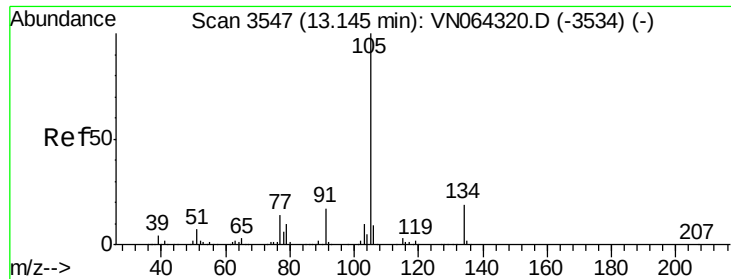
MMDadoda
 10/30/2020 1:35:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.945 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.3	64.0





#85

sec-Butylbenzene

Concen: 46.465 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 534441

Ion Ratio Lower Upper

105 100

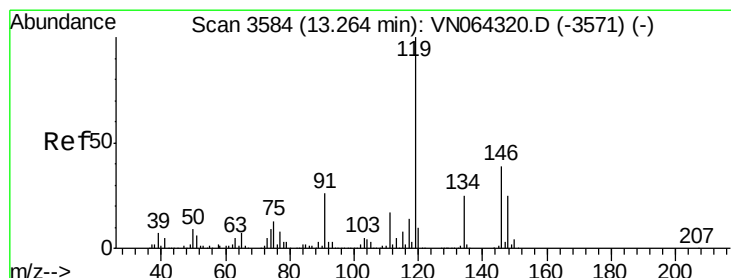
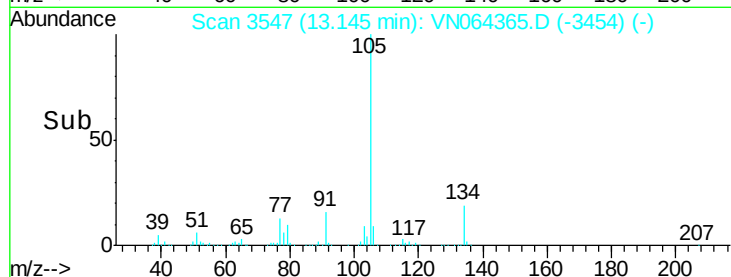
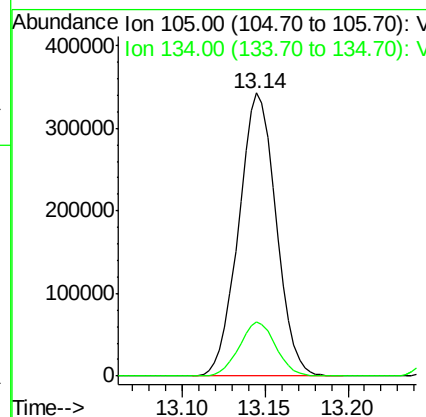
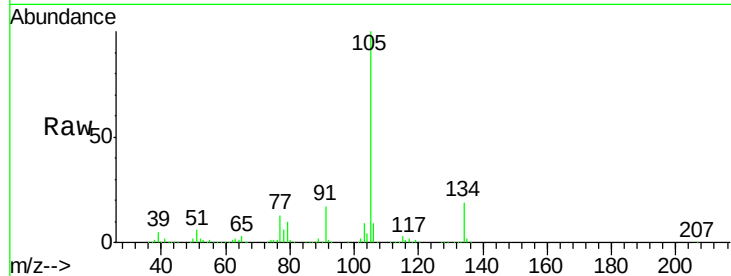
134 18.8 9.6 28.8

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:35:27 PM



#86

p-Isopropyltoluene

Concen: 48.123 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

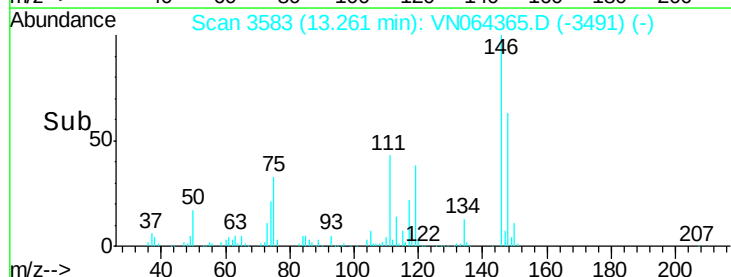
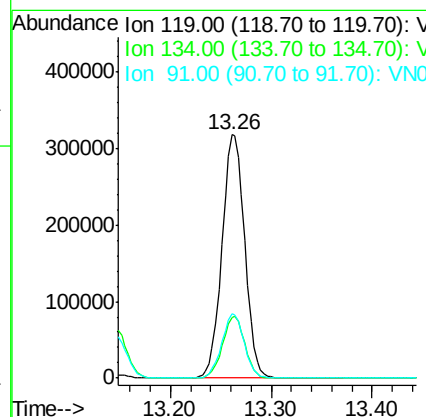
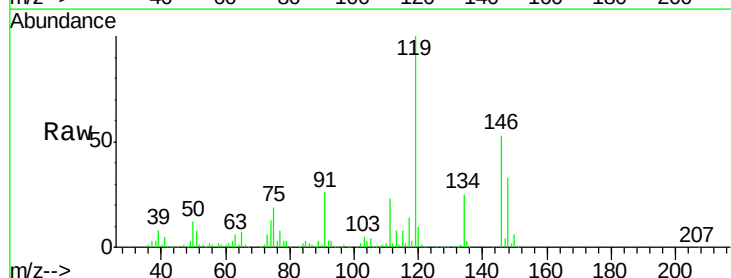
Tgt Ion:119 Resp: 498658

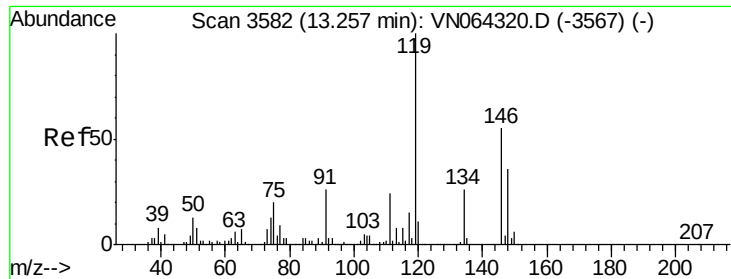
Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.4

91 26.0 13.0 38.9





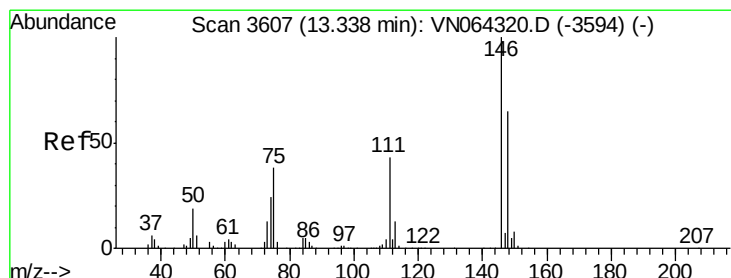
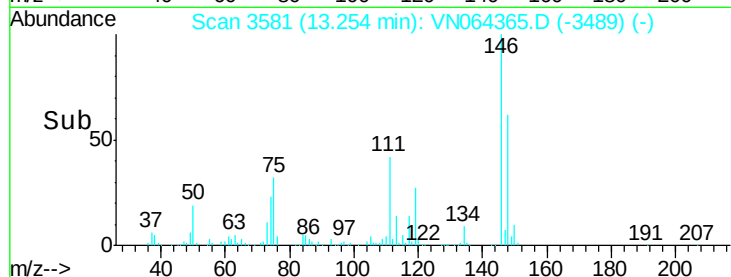
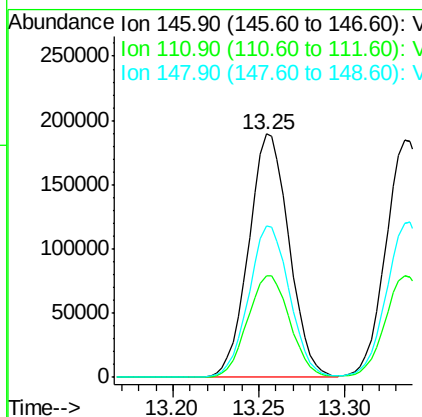
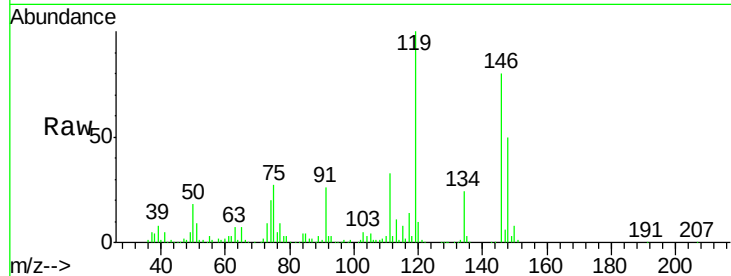
#87
 1,3-Dichlorobenzene
 Concen: 56.310 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	309006		
111	43.6	21.9	65.5	
148	63.0	32.6	98.0	

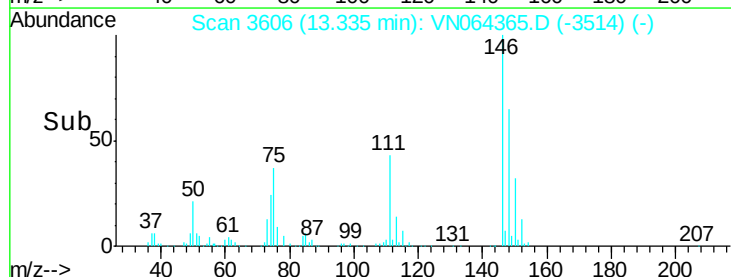
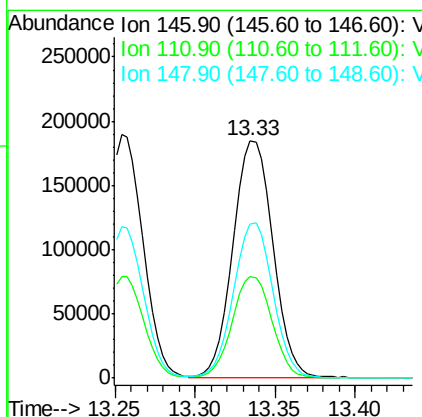
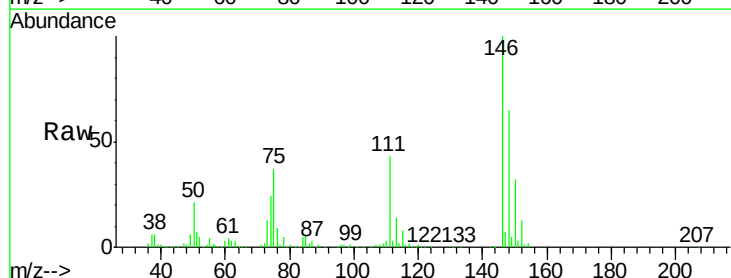
Manual Integrations
 APPROVED

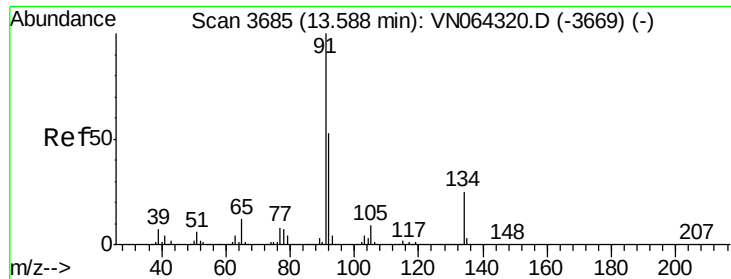
MMDadoda
 10/30/2020 1:35:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 56.274 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	314528		
111	42.5	21.8	65.4	
148	64.3	31.8	95.3	





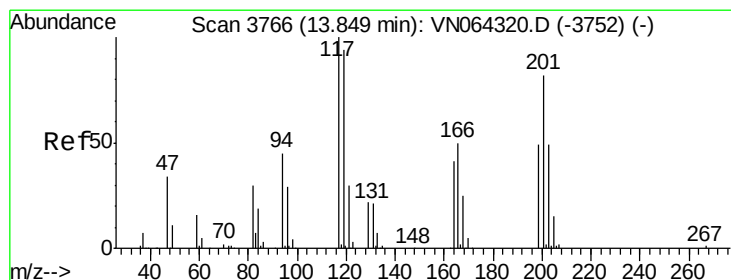
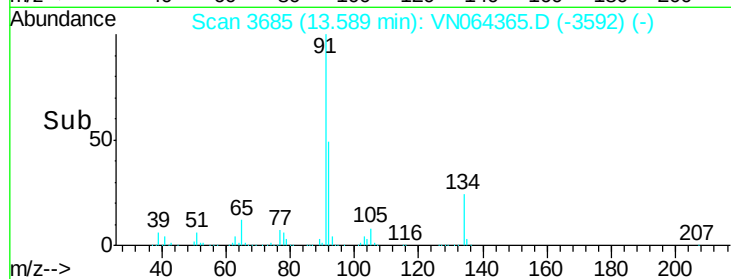
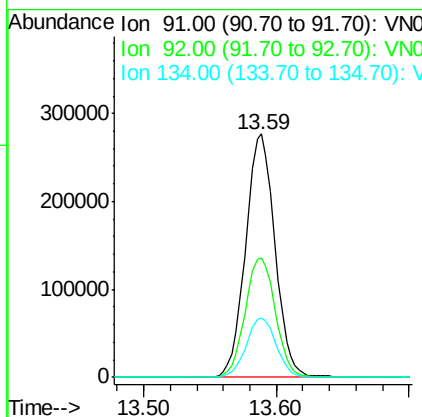
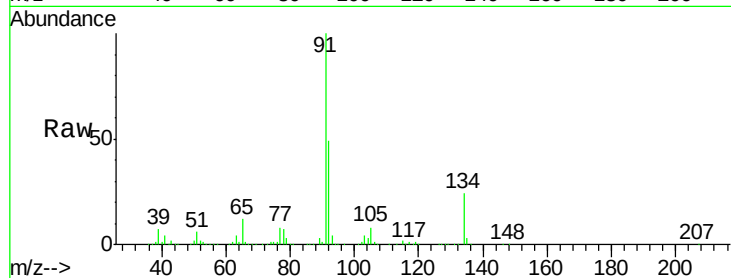
#89
n-Butylbenzene
Concen: 46.620 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.2	78.5
134	24.9	12.4	37.4

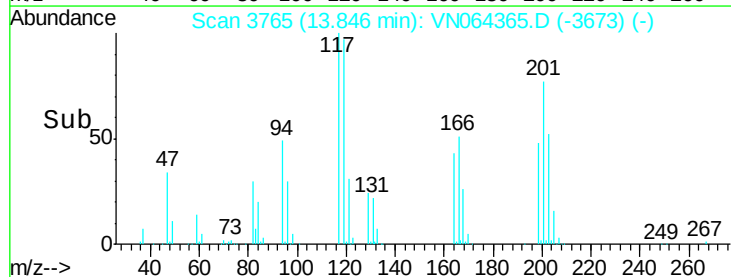
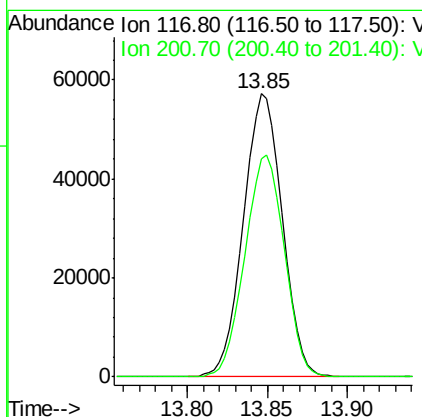
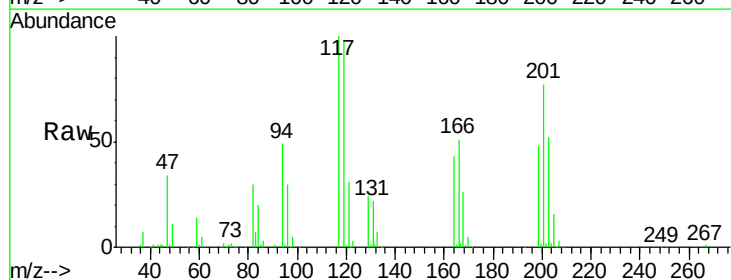
Manual Integrations
APPROVED

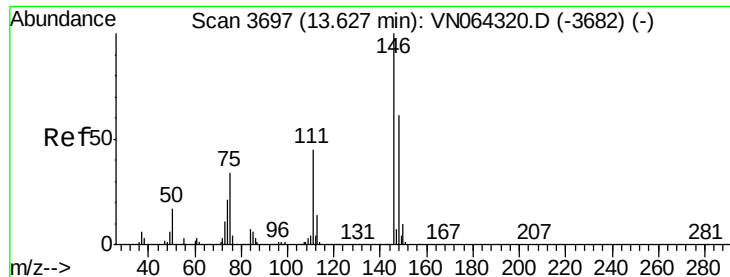
MMDadoda
10/30/2020 1:35:27 PM



#90
Hexachloroethane
Concen: 48.837 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	39.8	119.3





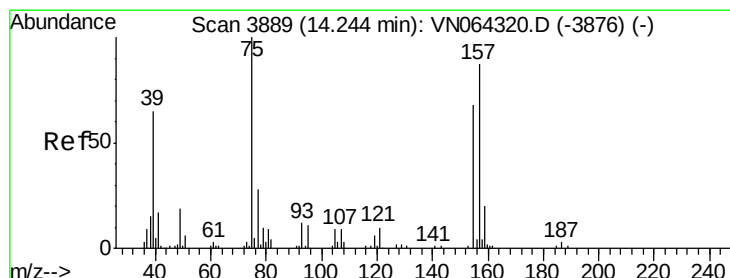
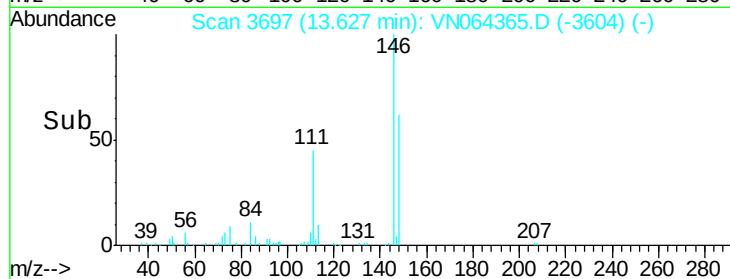
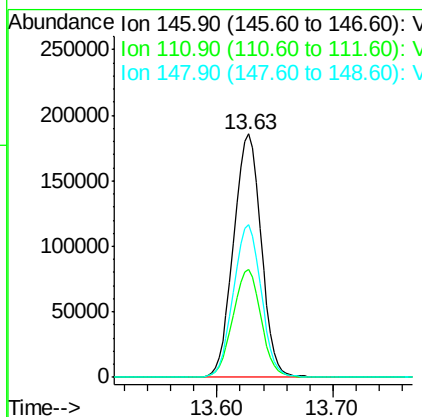
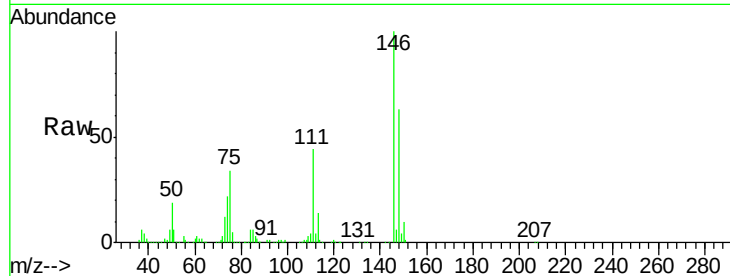
#91
 1,2-Dichlorobenzene
 Concen: 56.443 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	23.0	69.0
148	62.9	32.1	96.3

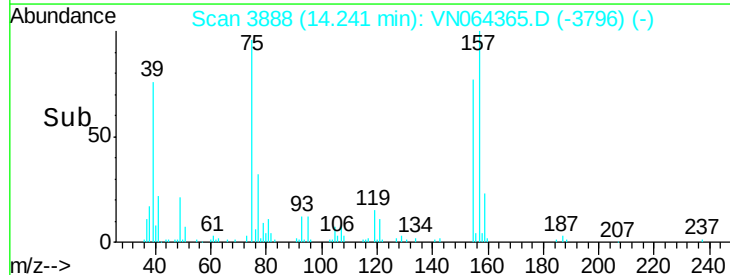
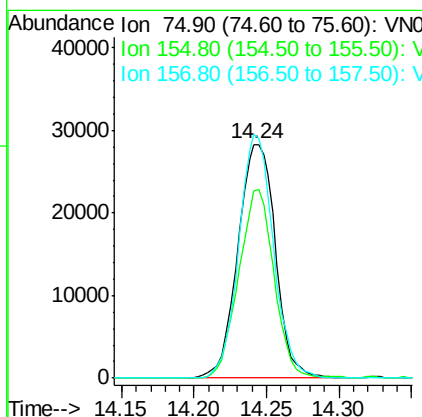
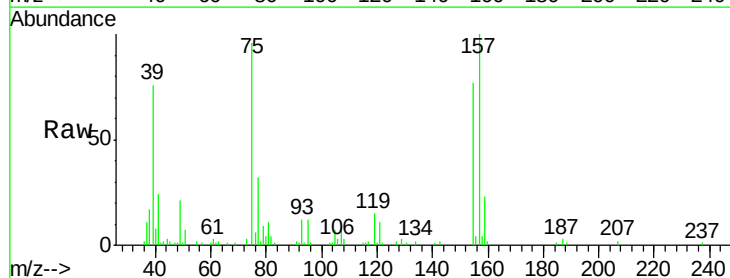
Manual Integrations
 APPROVED

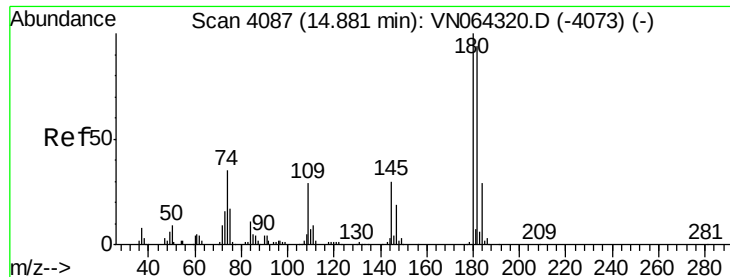
MMDadoda
 10/30/2020 1:35:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.130 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	35.1	105.5
157	96.3	43.2	129.6





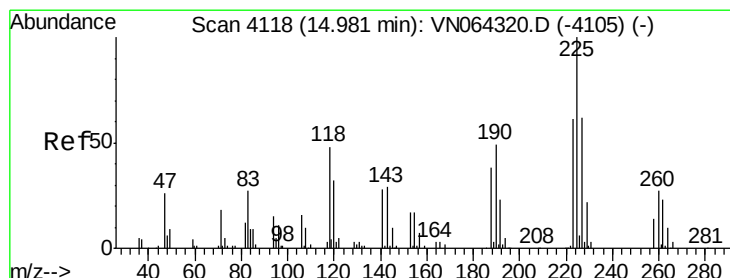
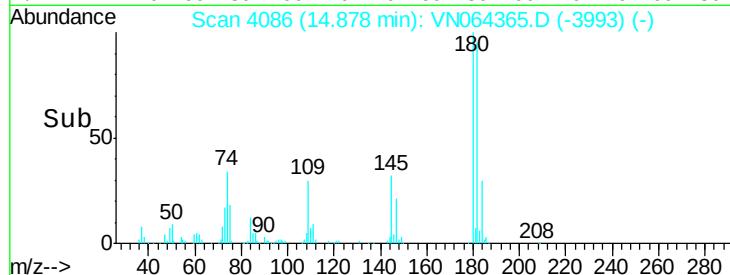
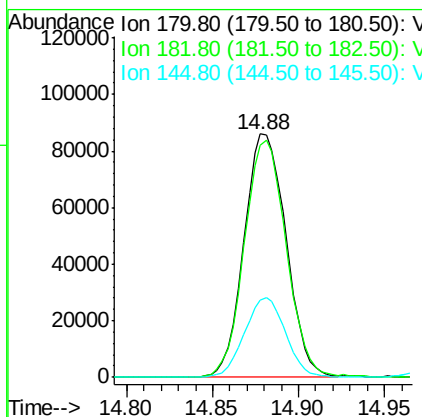
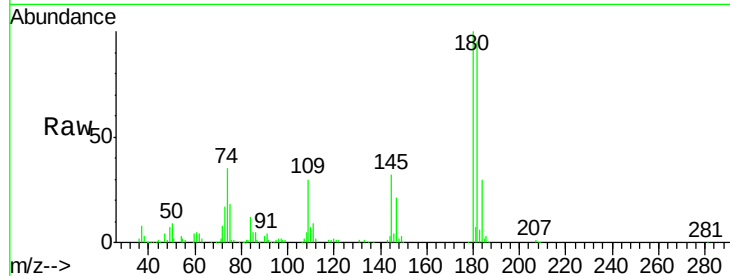
#93
 1,2,4-Trichlorobenzene
 Concen: 46.815 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146371		
182	96.8	46.6	139.7	
145	32.0	15.3	45.9	

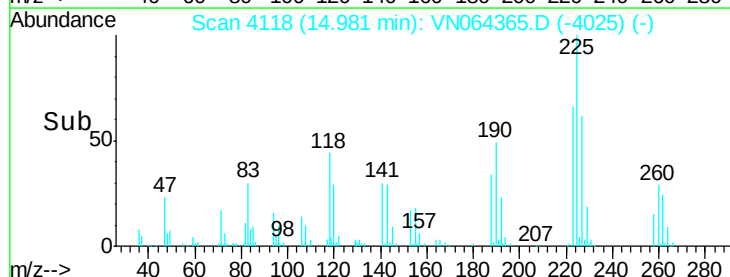
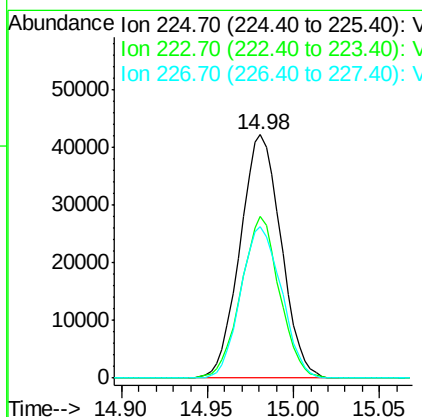
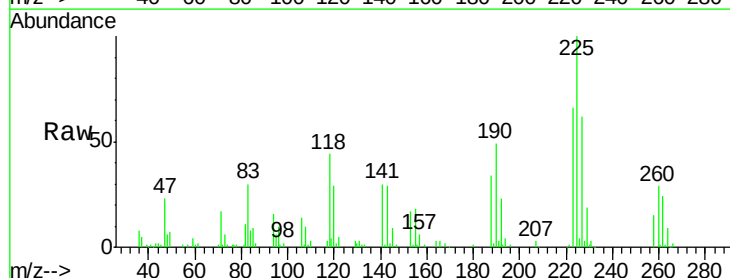
Manual Integrations
 APPROVED

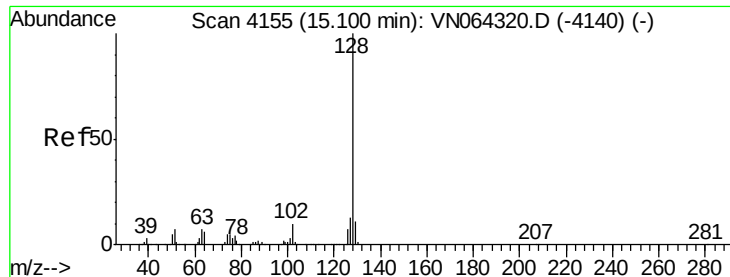
MMDadoda
 10/30/2020 1:35:27 PM



#94
 Hexachlorobutadiene
 Concen: 41.769 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69931		
223	62.4	31.3	93.8	
227	61.6	32.3	96.9	





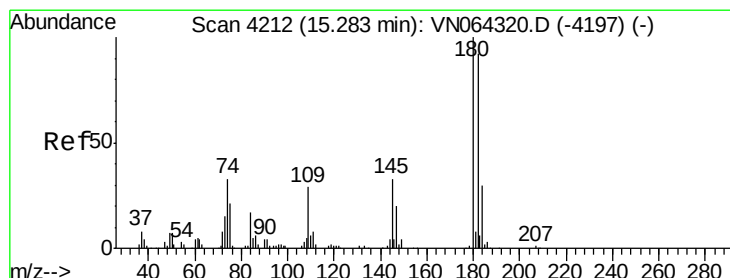
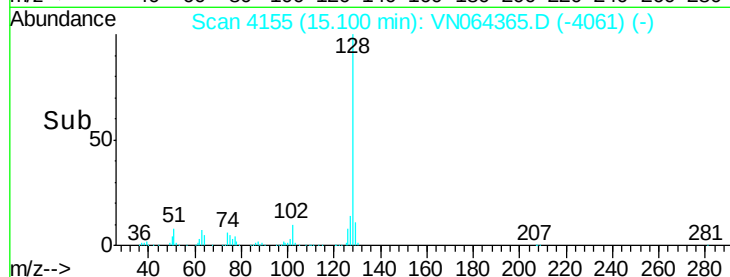
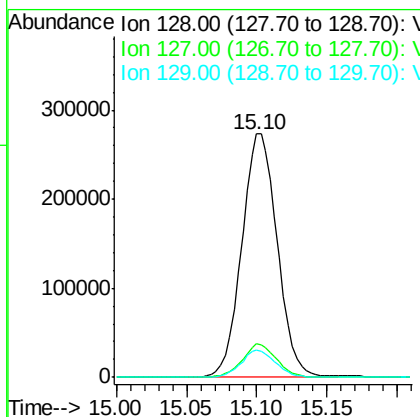
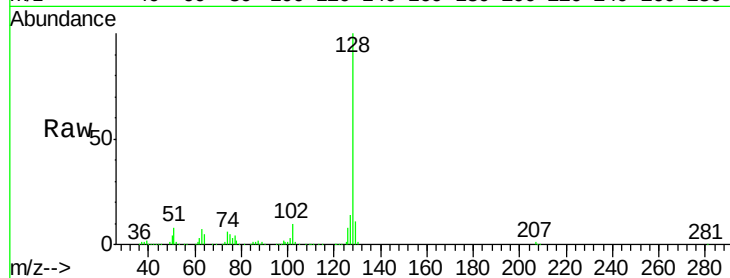
#95
Naphthalene
Concen: 49.893 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	482022		
127	13.2		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:35:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.583 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	143483		
182	93.6		46.1	138.3
145	32.7		16.2	48.5

