

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064318.D
 Acq On : 27 Oct 2020 10:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:20 PM

Quant Time: Oct 27 11:53:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 11:34:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	272876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	23369	5.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.40%	
35) Dibromofluoromethane	7.55	113	14487	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	10.06	98	54069	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
62) 4-Bromofluorobenzene	12.37	95	19871	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	14956	5.043	ug/l	87
3) Chloromethane	2.03	50	16920	5.391	ug/l	93
4) Vinyl Chloride	2.16	62	15874	5.063	ug/l	99
5) Bromomethane	2.52	94	11532	5.624	ug/l	100
6) Chloroethane	2.67	64	9666	5.089	ug/l	91
7) Trichlorofluoromethane	2.98	101	27479	5.326	ug/l	93
8) Diethyl Ether	3.38	74	8005	4.696	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	14497	5.445	ug/l	95
10) Methyl Iodide	3.91	142	16474	4.377	ug/l	96
11) Tert butyl alcohol	4.73	59	14662	25.952	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	12997m	5.073	ug/l	
13) Acrolein	3.57	56	5577	18.484	ug/l	88
14) Allyl chloride	4.27	41	25268	4.937	ug/l	98
15) Acrylonitrile	4.94	53	31392	26.741	ug/l #	87
16) Acetone	3.78	43	36359	29.717	ug/l	98
17) Carbon Disulfide	4.01	76	37515	5.138	ug/l	97
18) Methyl Acetate	4.28	43	13966	4.617	ug/l	94
19) Methyl tert-butyl Ether	4.98	73	47073	5.228	ug/l	96
20) Methylene Chloride	4.50	84	15773	5.076	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	14956	5.301	ug/l #	76
22) Diisopropyl ether	5.90	45	50032	5.165	ug/l	95
23) Vinyl Acetate	5.84	43	209364	24.370	ug/l	99
24) 1,1-Dichloroethane	5.80	63	28050	5.052	ug/l	99
25) 2-Butanone	6.78	43	50551	26.447	ug/l	100
26) 2,2-Dichloropropane	6.78	77	28436	5.150	ug/l #	73
27) cis-1,2-Dichloroethene	6.77	96	16611m	5.030	ug/l	
28) Bromochloromethane	7.15	49	14195	5.374	ug/l	97
29) Tetrahydrofuran	7.17	42	31238	26.936	ug/l	100
30) Chloroform	7.33	83	30609	5.163	ug/l	99
31) Cyclohexane	7.61	56	28718	5.868	ug/l #	81
32) 1,1,1-Trichloroethane	7.53	97	29716	5.356	ug/l #	87
36) 1,1-Dichloropropene	7.75	75	21276	4.805	ug/l	95
37) Ethyl Acetate	6.88	43	20855	5.075	ug/l #	93
38) Carbon Tetrachloride	7.73	117	24763	4.888	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064318.D
 Acq On : 27 Oct 2020 10:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:20 PM

Quant Time: Oct 27 11:53:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 11:34:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22383	5.504	ug/l	95
40) Benzene	8.00	78	62188	5.084	ug/l	94
41) Methacrylonitrile	7.14	41	11224m	5.224	ug/l	
42) 1,2-Dichloroethane	8.08	62	26934	5.105	ug/l	89
43) Isopropyl Acetate	8.13	43	37161	4.913	ug/l #	89
44) Trichloroethene	8.80	130	15829	4.743	ug/l	87
45) 1,2-Dichloropropane	9.08	63	16001	4.910	ug/l	95
46) Dibromomethane	9.17	93	10893	4.937	ug/l	93
47) Bromodichloromethane	9.37	83	24418	5.028	ug/l	97
48) Methyl methacrylate	9.16	41	18562	4.724	ug/l	95
49) 1,4-Dioxane	9.17	88	5710	118.272	ug/l #	84
51) 4-Methyl-2-Pentanone	9.95	43	100517	24.576	ug/l	98
52) Toluene	10.12	92	38607	4.945	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	25506	4.750	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	25906	4.567	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	14757	4.980	ug/l	95
56) Ethyl methacrylate	10.40	69	21279	4.641	ug/l	96
57) 1,3-Dichloropropane	10.68	76	25292	4.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	56708	24.100	ug/l	96
59) 2-Hexanone	10.72	43	73017	24.361	ug/l	99
60) Dibromochloromethane	10.87	129	16294	4.252	ug/l	97
61) 1,2-Dibromoethane	10.97	107	14657	4.675	ug/l	95
64) Tetrachloroethene	10.60	164	17276	5.290	ug/l	92
65) Chlorobenzene	11.40	112	39766	4.770	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	14835	4.482	ug/l	95
67) Ethyl Benzene	11.48	91	71888	4.682	ug/l	100
68) m/p-Xylenes	11.59	106	53344	9.371	ug/l	95
69) o-Xylene	11.92	106	26420	4.831	ug/l	96
70) Styrene	11.94	104	40979	4.451	ug/l	95
71) Bromoform	12.10	173	12006	4.685	ug/l #	94
73) Isopropylbenzene	12.22	105	67722	5.008	ug/l	97
74) N-amyl acetate	12.05	43	27766	4.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	19836	5.453	ug/l	94
76) 1,2,3-Trichloropropane	12.53	75	19705m	5.086	ug/l	
77) Bromobenzene	12.50	156	16687	5.188	ug/l	99
78) n-propylbenzene	12.56	91	75072	4.907	ug/l	100
79) 2-Chlorotoluene	12.65	91	48714	5.182	ug/l	97
80) 1,3,5-Trimethylbenzene	12.70	105	56649	4.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	6380	4.248	ug/l #	82
82) 4-Chlorotoluene	12.75	91	49075	5.009	ug/l	96
83) tert-Butylbenzene	12.96	119	46272	4.934	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	56476	4.947	ug/l	100
85) sec-Butylbenzene	13.14	105	59645	5.046	ug/l	98
86) p-Isopropyltoluene	13.26	119	55121	5.115	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	29764	5.223	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	29729	5.109	ug/l	93
89) n-Butylbenzene	13.59	91	48699	5.077	ug/l	96
90) Hexachloroethane	13.85	117	10432	5.250	ug/l	94
91) 1,2-Dichlorobenzene	13.62	146	26938	4.828	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4385	4.801	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
Data File : VN064318.D
Acq On : 27 Oct 2020 10:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

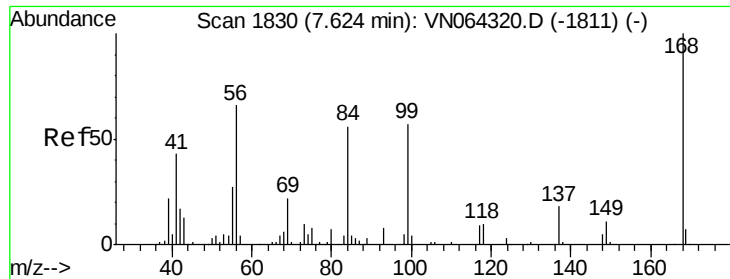
Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM

Quant Time: Oct 27 11:53:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 11:34:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	12261	3.948	ug/l	90
94) Hexachlorobutadiene	14.98	225	8926	5.306	ug/l	98
95) Naphthalene	15.10	128	32920	3.530	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	10770	3.501	ug/l	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 272876

Ion Ratio Lower Upper

168 100

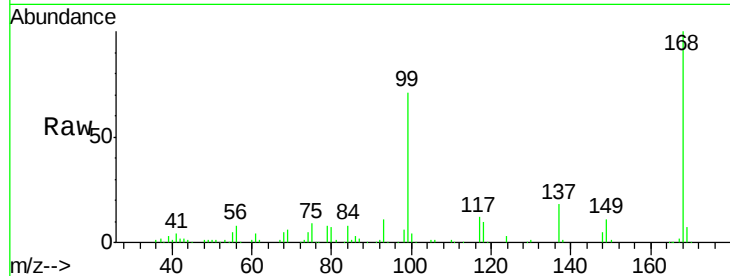
99 71.2 52.7 79.1

Manual Integrations

APPROVED

MMDadoda

10/28/2020 12:35:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

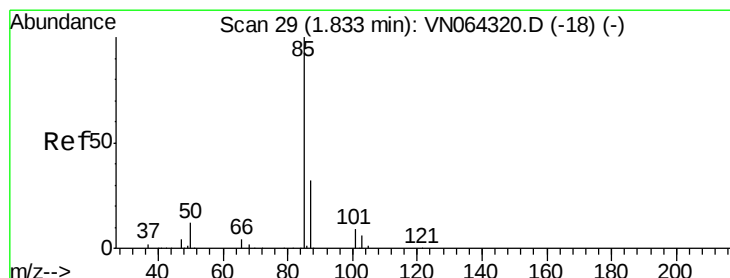
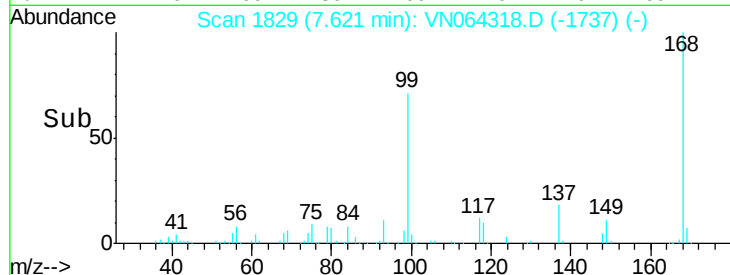
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 5.043 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064318.D

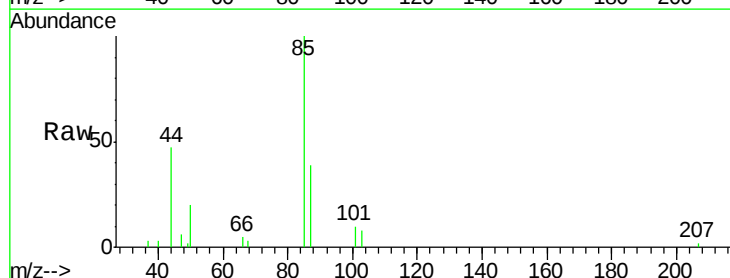
Acq: 27 Oct 2020 10:29

Tgt Ion: 85 Resp: 14956

Ion Ratio Lower Upper

85 100

87 38.9 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

12000

10000

8000

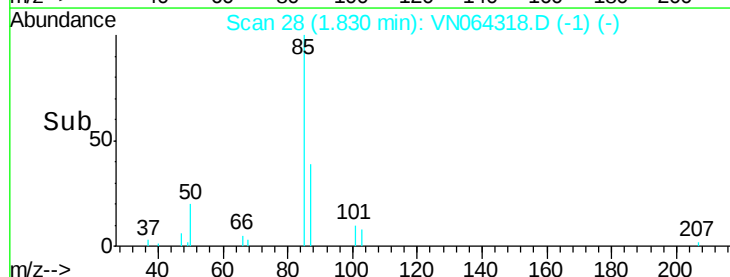
6000

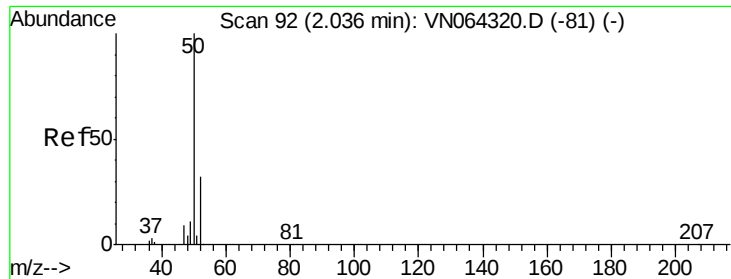
4000

2000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 5.391 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 16920

Ion Ratio Lower Upper

50 100

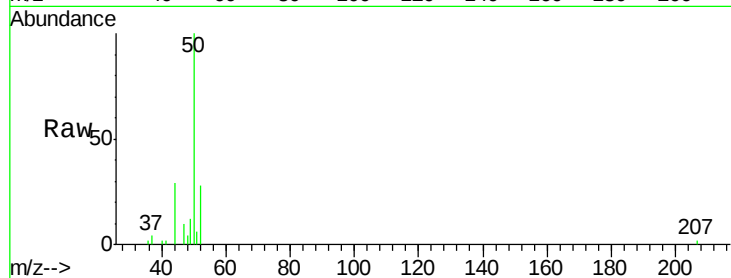
52 28.0 25.6 38.4

Manual Integrations

APPROVED

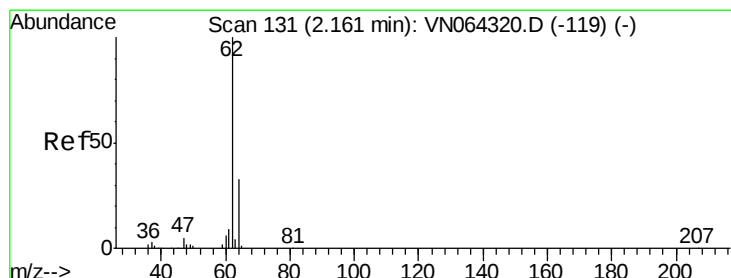
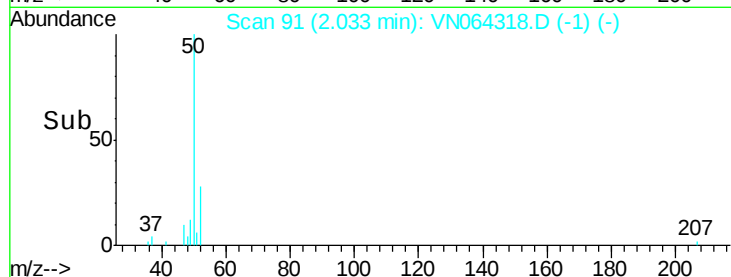
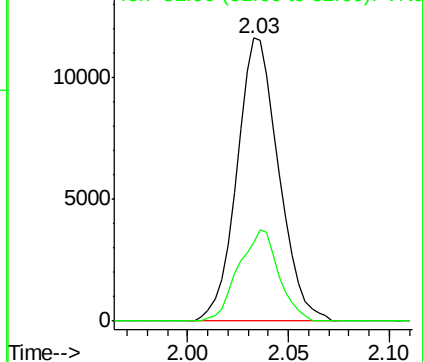
MMDadoda

10/28/2020 12:35:20 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.063 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064318.D

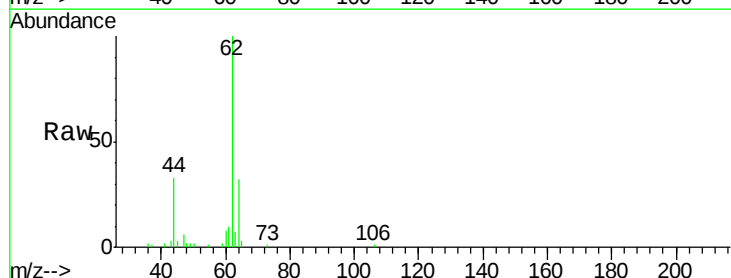
Acq: 27 Oct 2020 10:29

Tgt Ion: 62 Resp: 15874

Ion Ratio Lower Upper

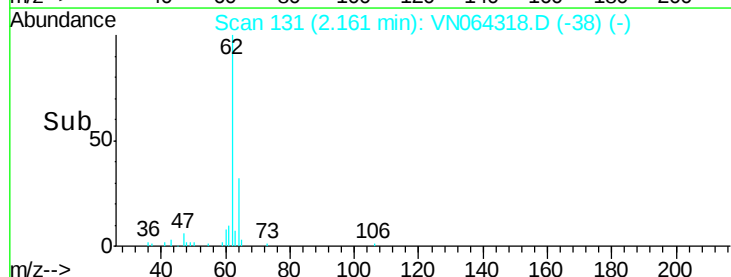
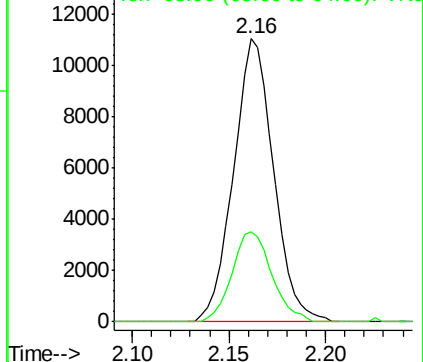
62 100

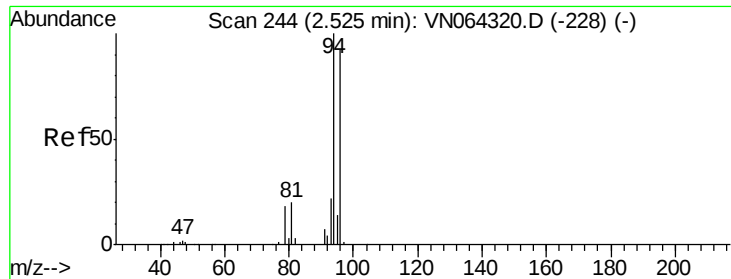
64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 5.624 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11532

Ion Ratio Lower Upper

94 100

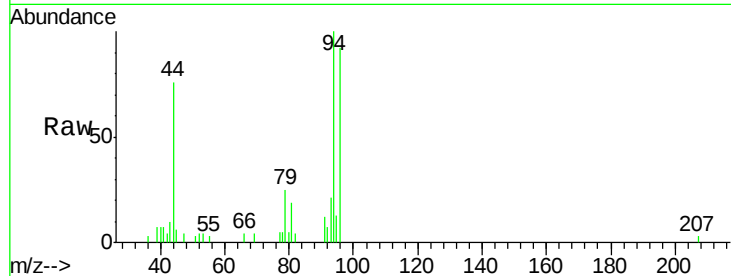
96 91.6 73.6 110.4

Manual Integrations

APPROVED

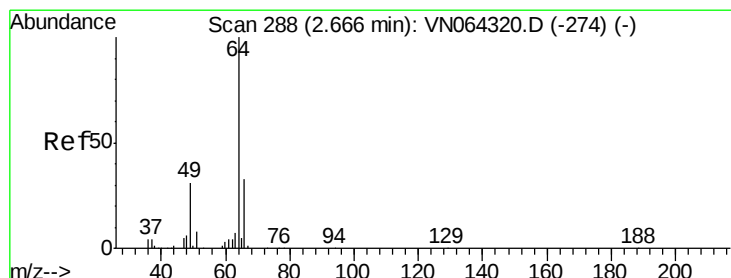
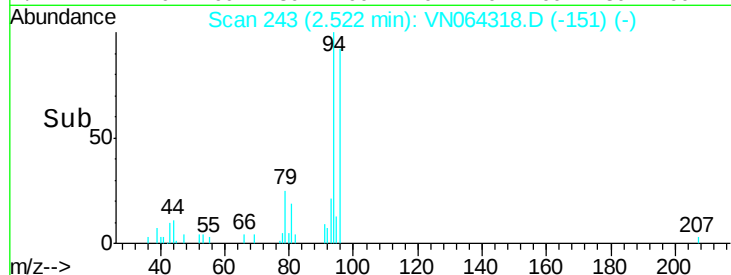
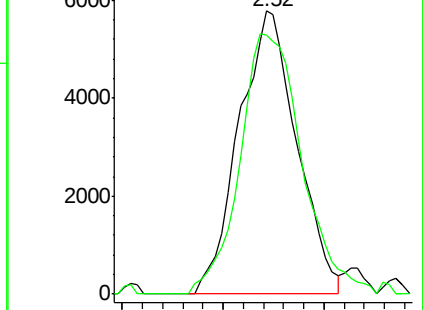
MMDadoda

10/28/2020 12:35:20 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.089 ug/l

RT: 2.67 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN064318.D

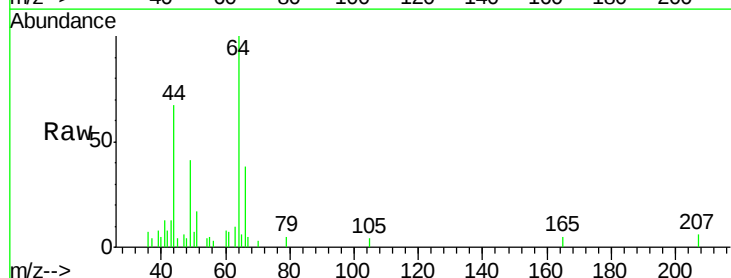
Acq: 27 Oct 2020 10:29

Tgt Ion: 64 Resp: 9666

Ion Ratio Lower Upper

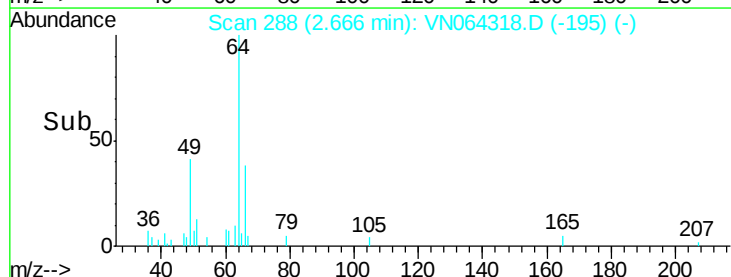
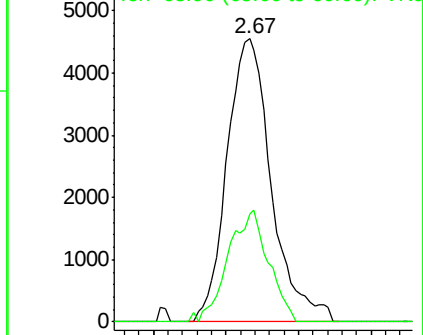
64 100

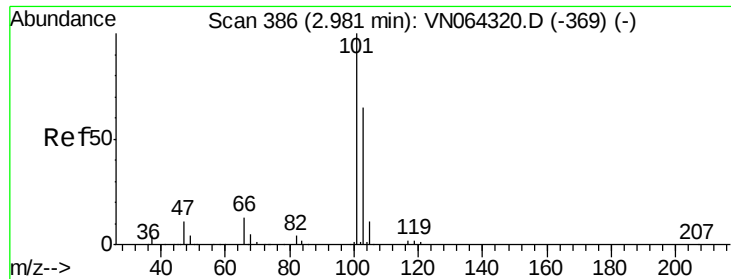
66 38.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

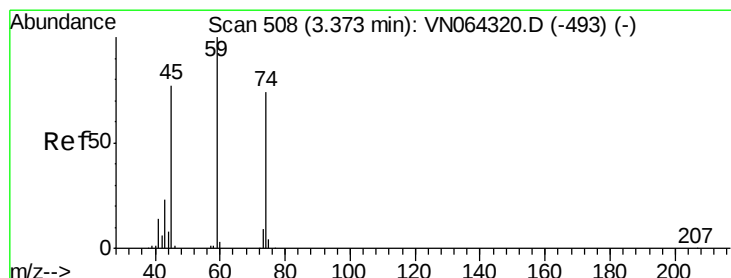
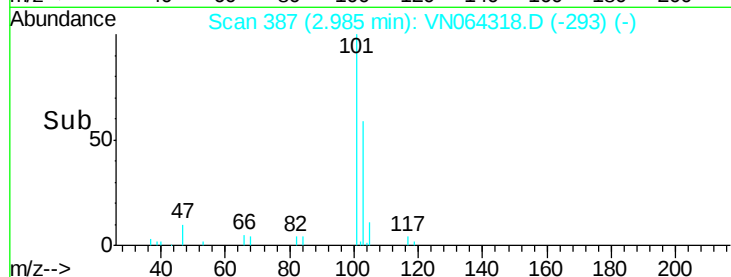
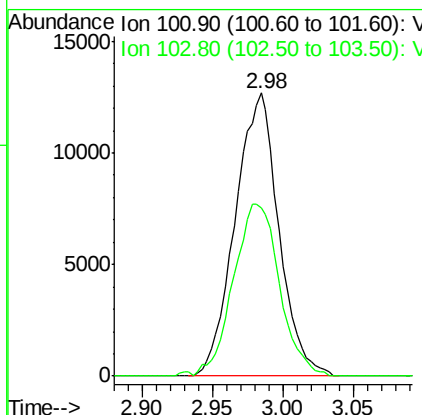
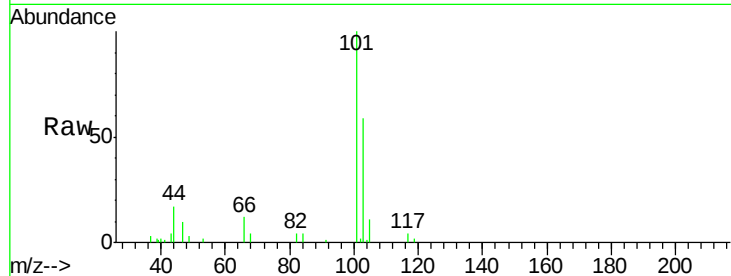
Trichlorofluoromethane
 Concen: 5.326 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	51.7	77.5

Manual Integrations
 APPROVED

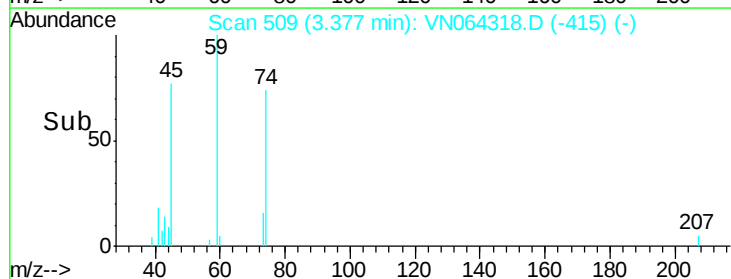
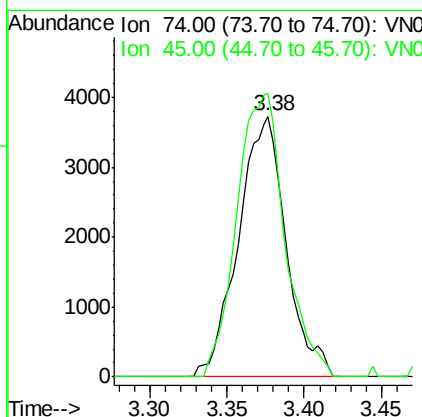
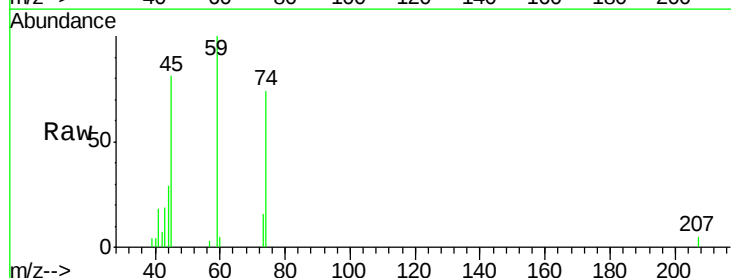
MMDadoda
 10/28/2020 12:35:20 PM

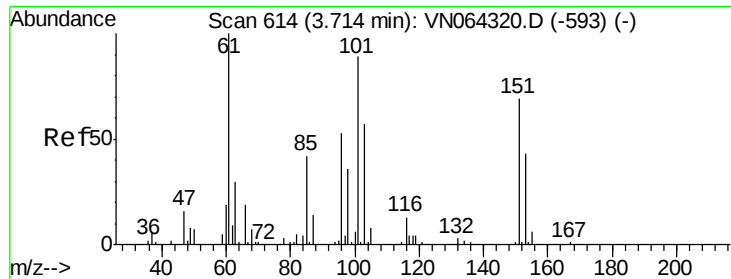


#8

Diethyl Ether
 Concen: 4.696 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.7	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.445 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

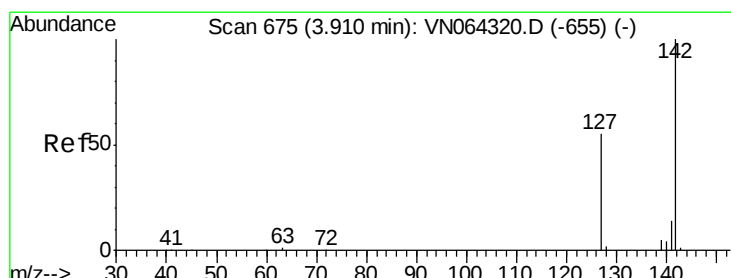
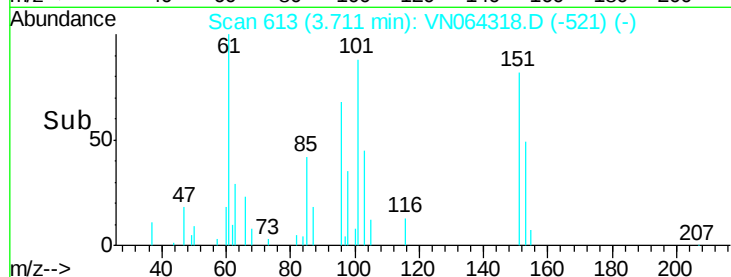
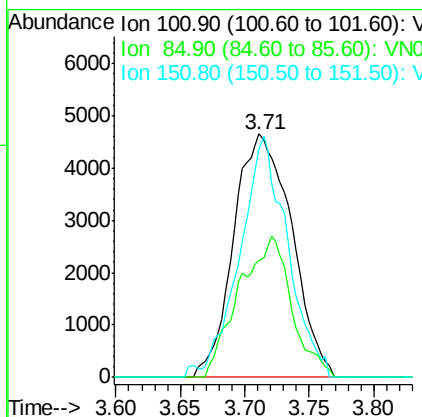
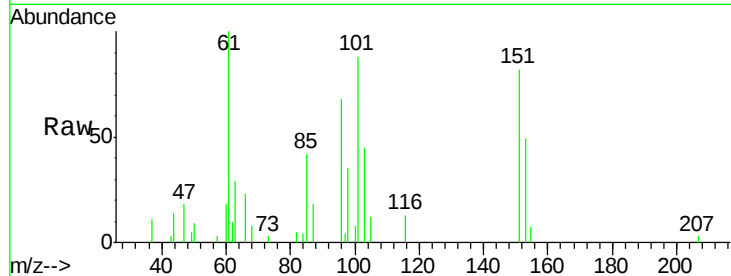
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14497
Ion Ratio	Lower	Upper	
101	100		
85	52.5	38.4	57.6
151	81.1	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#10

Methyl Iodide

Concen: 4.377 ug/l

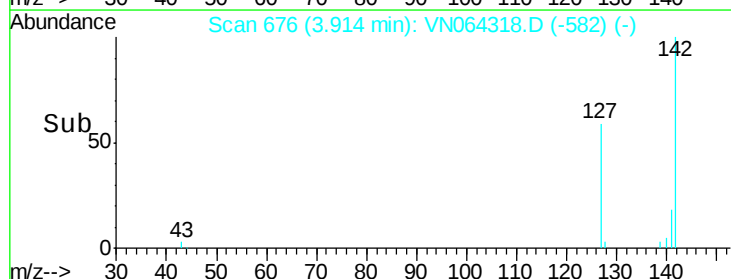
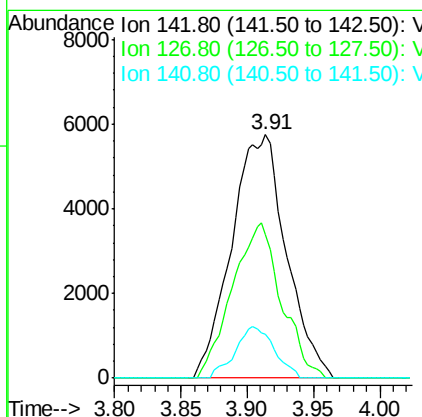
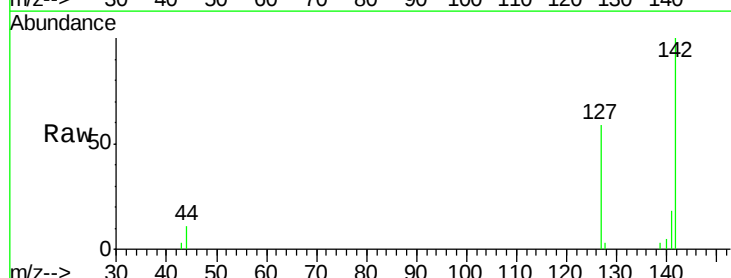
RT: 3.91 min Scan# 676

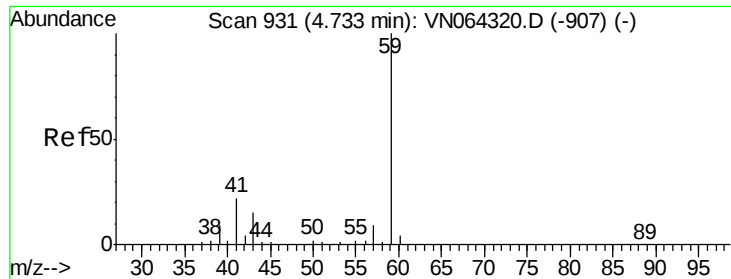
Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion:	142	Resp:	16474
Ion Ratio	Lower	Upper	
142	100		
127	57.2	43.3	64.9
141	15.0	11.5	17.3





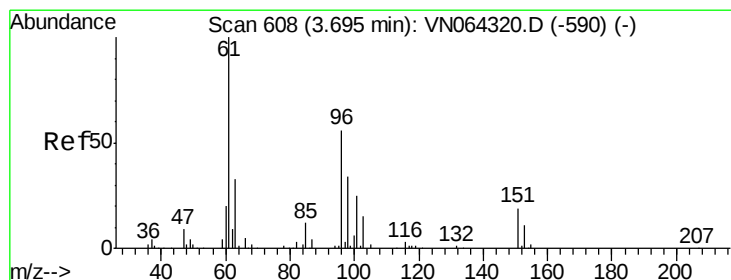
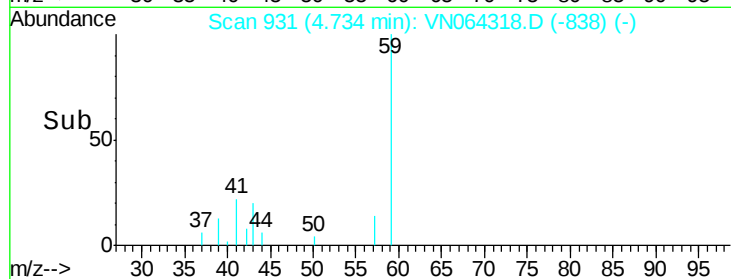
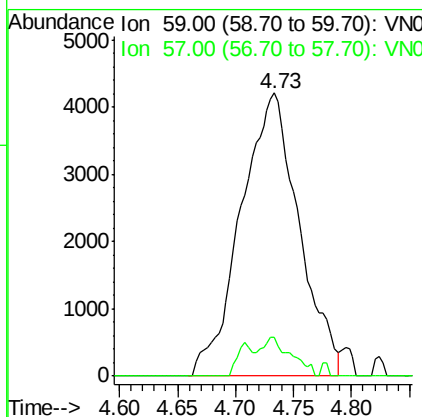
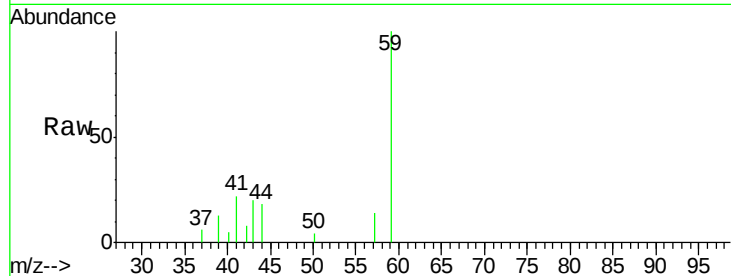
#11
Tert butyl alcohol
Concen: 25.952 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	59	57	Ratio	100	6.9	Resp	14662	Lower	9.4	Upper	14.0#
Ion	59	57	Ratio	100	6.9	Resp	14662	Lower	9.4	Upper	14.0#

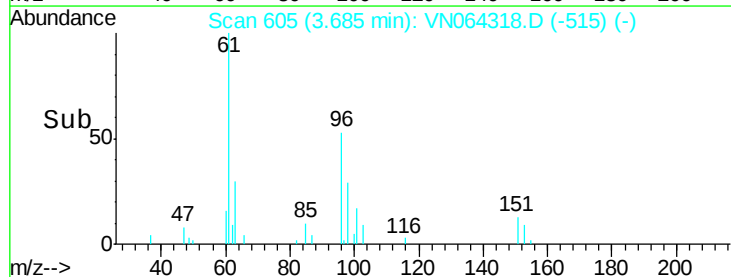
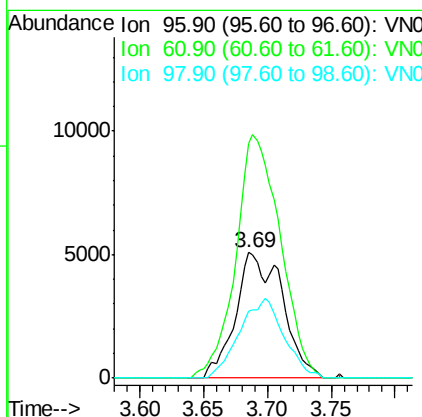
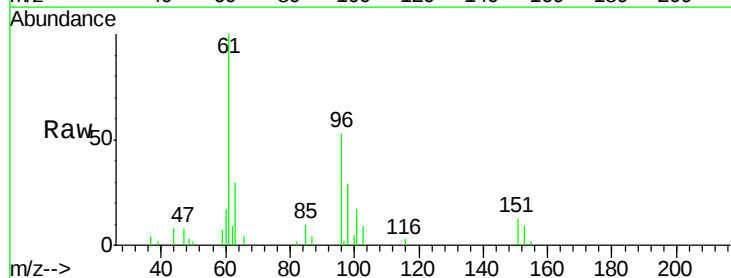
Manual Integrations
APPROVED

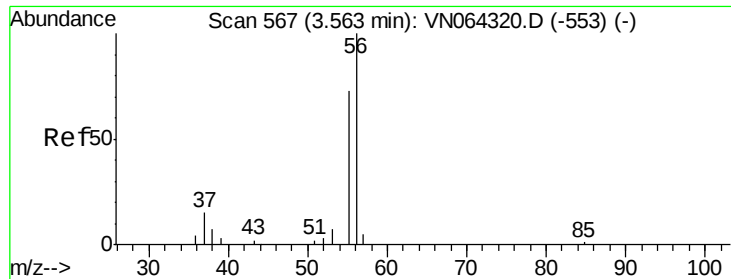
MMDadoda
10/28/2020 12:35:20 PM



#12
1,1-Dichloroethene
Concen: 5.073 ug/l m
RT: 3.69 min Scan# 605
Delta R.T. -0.01 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	96	61	98	Ratio	100	187.0	53.5	Resp	12997	Lower	143.6	Upper	215.4	73.0
Ion	96	61	98	Ratio	100	187.0	53.5	Resp	12997	Lower	143.6	Upper	215.4	73.0





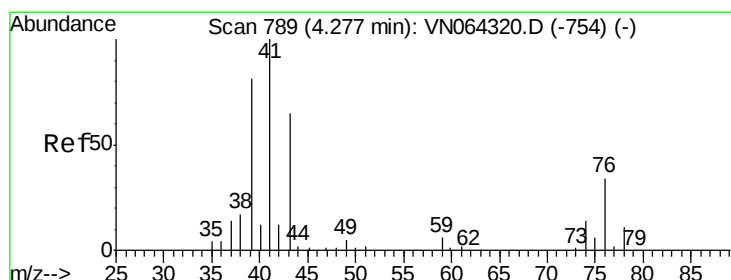
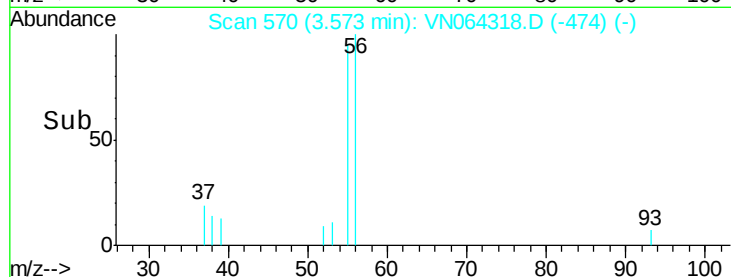
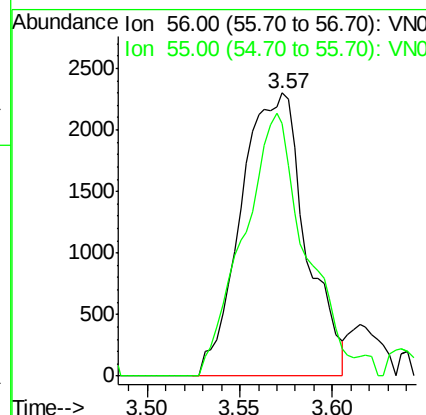
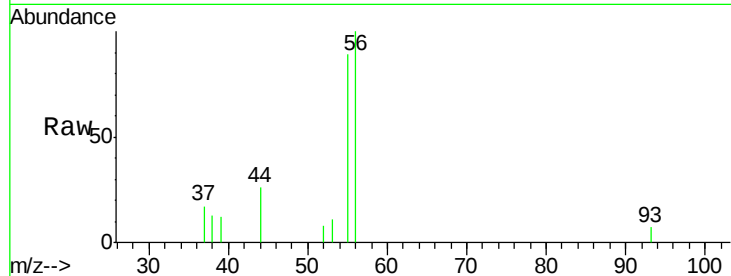
#13
 Acrolein
 Concen: 18.484 ug/l
 RT: 3.57 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	88.8	62.6	94.0

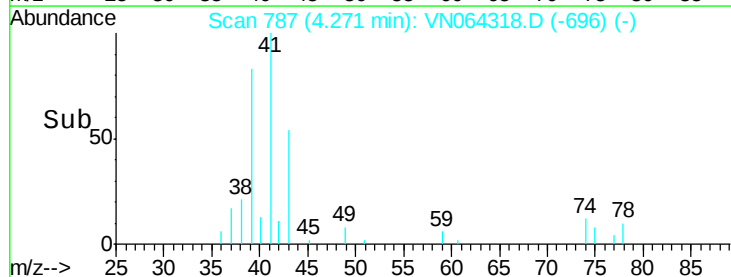
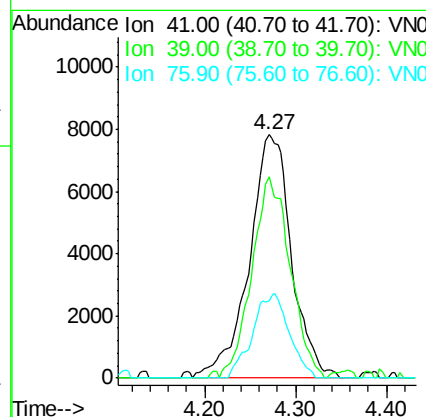
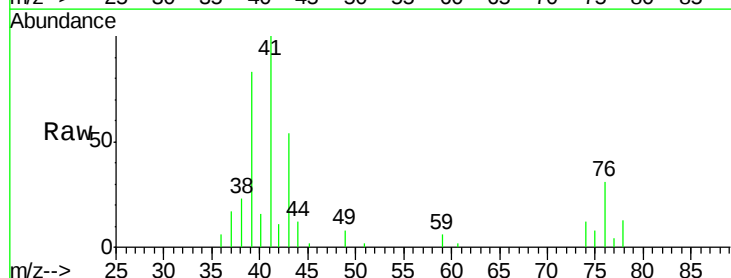
Manual Integrations
 APPROVED

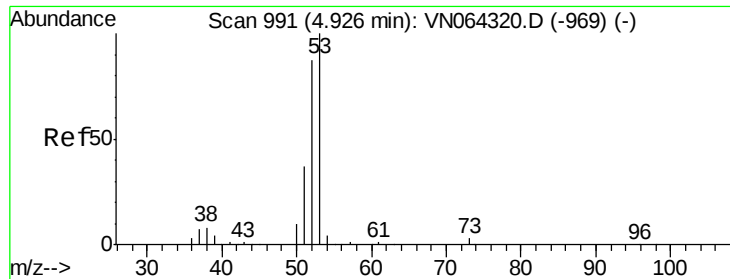
MMDadoda
 10/28/2020 12:35:20 PM



#14
 Allyl chloride
 Concen: 4.937 ug/l
 RT: 4.27 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.9	61.7	92.5
76	30.1	24.0	36.0





#15

Acrylonitrile

Concen: 26.741 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

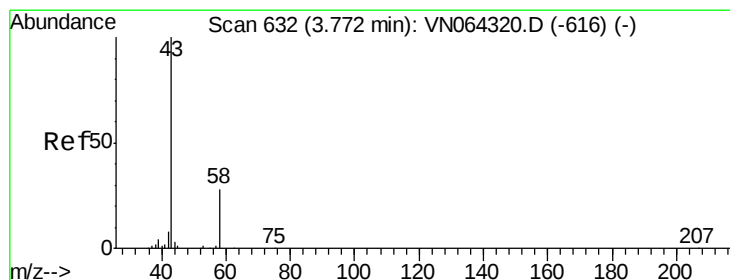
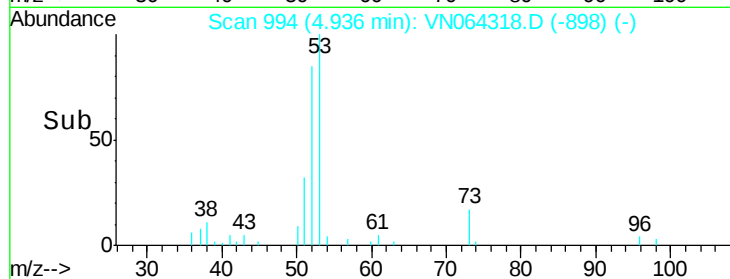
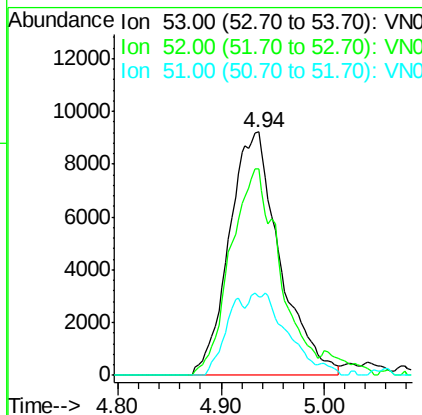
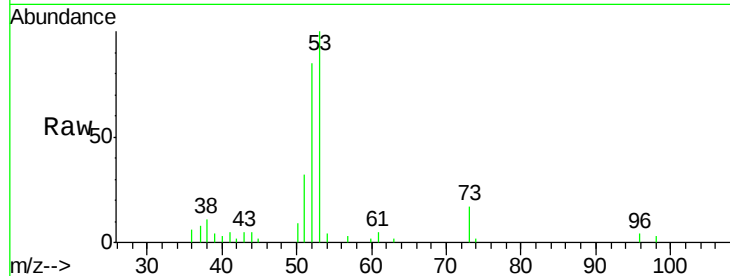
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	31392
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.9	98.9
51	12.8	30.4	45.6#

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#16

Acetone

Concen: 29.717 ug/l

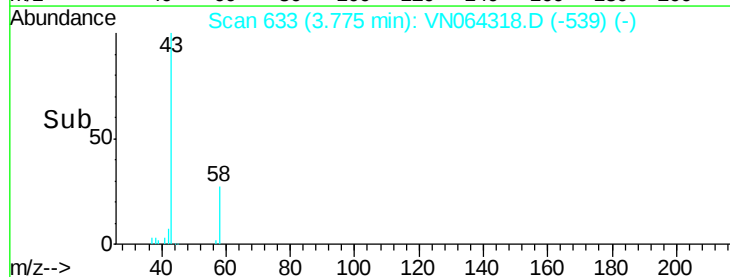
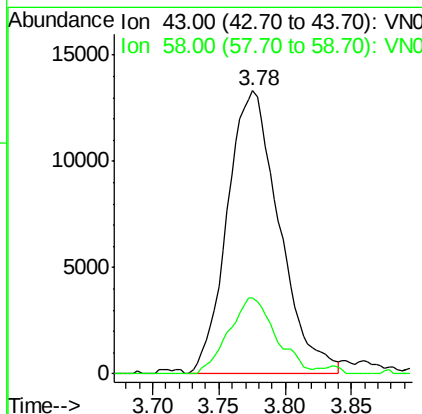
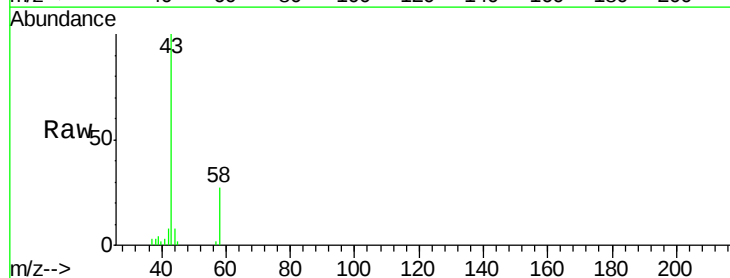
RT: 3.78 min Scan# 633

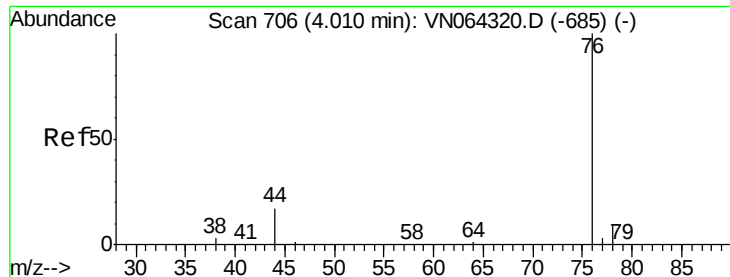
Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion:	43	Resp:	36359
Ion Ratio	Lower	Upper	
43	100		
58	26.7	22.1	33.1





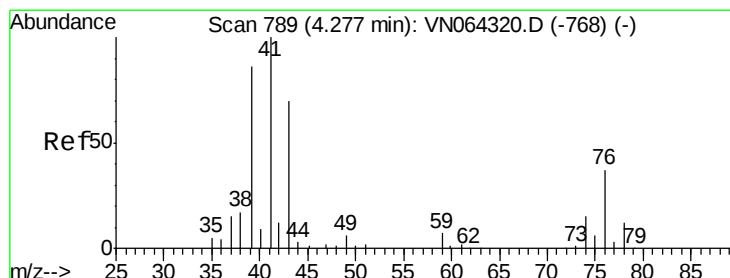
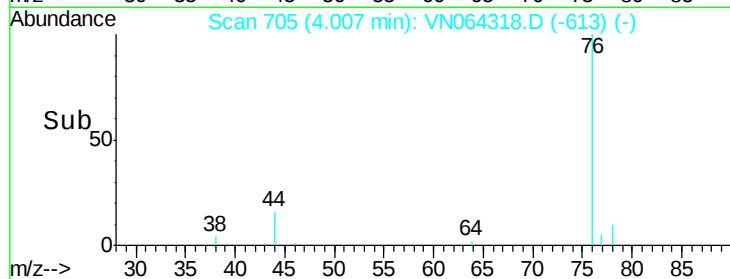
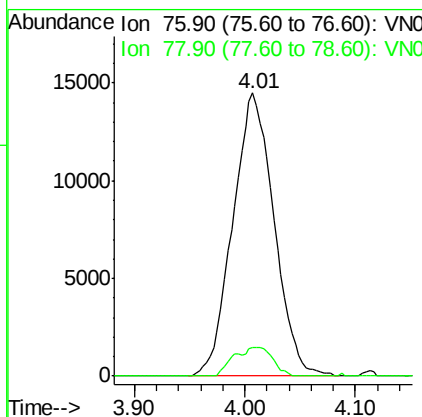
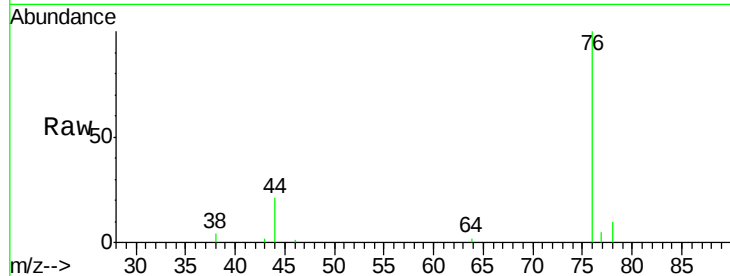
#17
Carbon Disulfide
Concen: 5.138 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.3	10.9

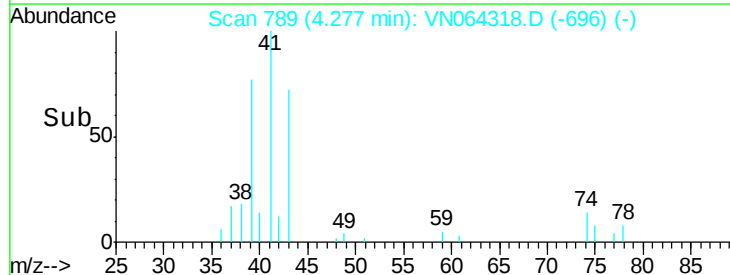
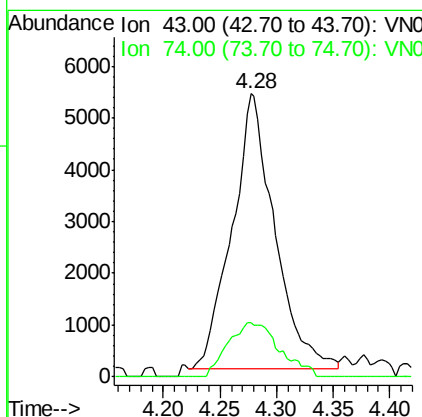
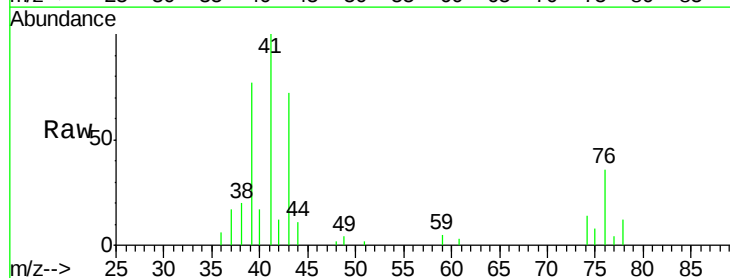
Manual Integrations
APPROVED

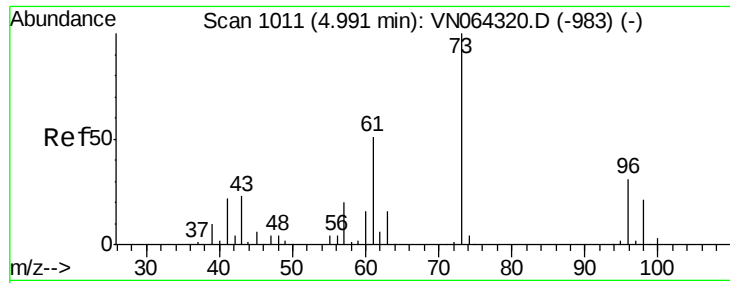
MMDadoda
10/28/2020 12:35:20 PM



#18
Methyl Acetate
Concen: 4.617 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	16.7	25.1





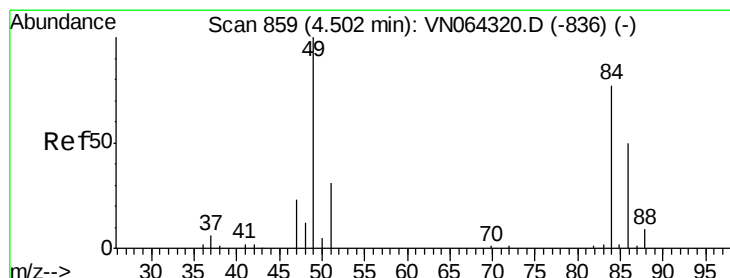
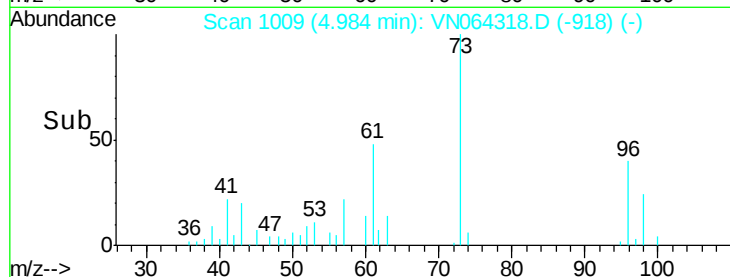
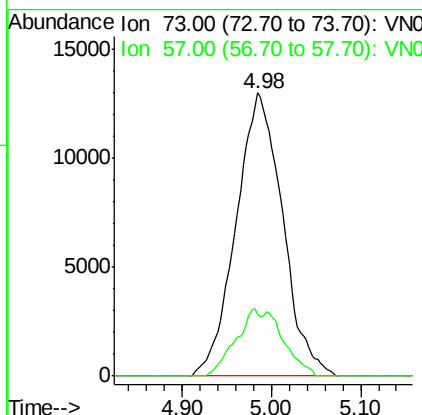
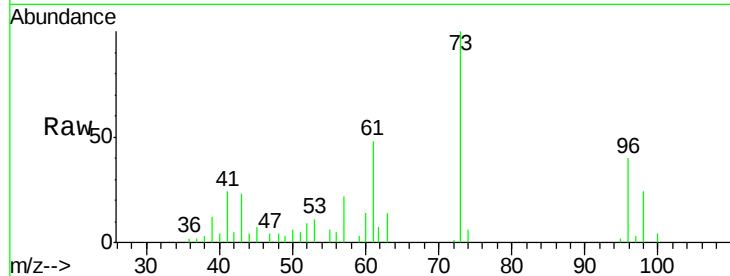
#19
Methvl tert-butvl Ether
Concen: 5.228 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 47073
Ion Ratio Lower Upper
73 100
57 22.0 16.1 24.1

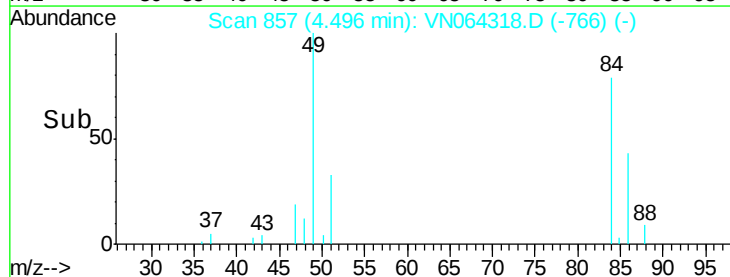
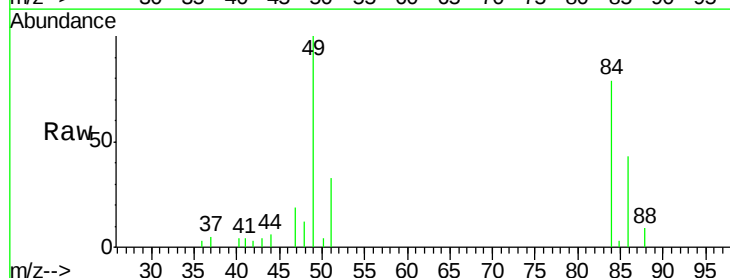
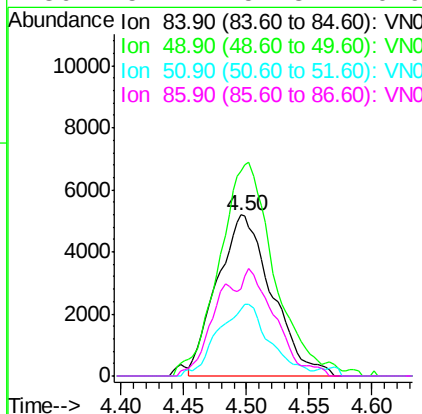
Manual Integrations
APPROVED

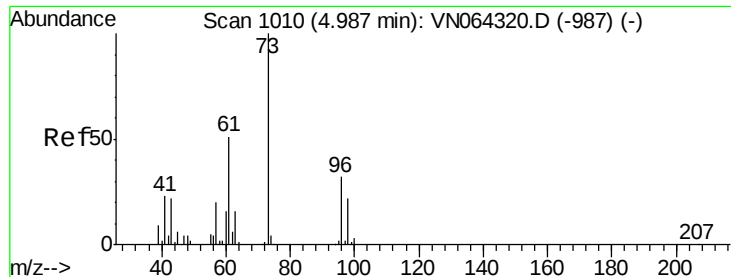
MMDadoda
10/28/2020 12:35:20 PM



#20
Methylene Chloride
Concen: 5.076 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 84 Resp: 15773
Ion Ratio Lower Upper
84 100
49 122.3 103.6 155.4
51 37.8 31.8 47.8
86 54.1 51.3 76.9





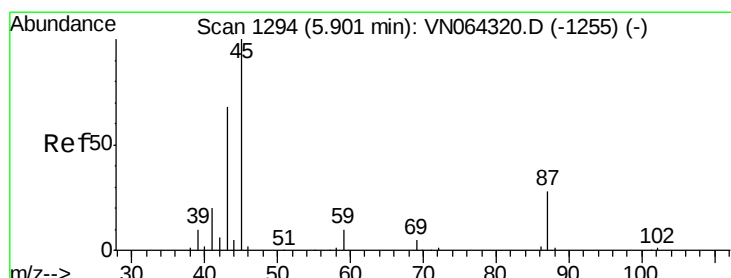
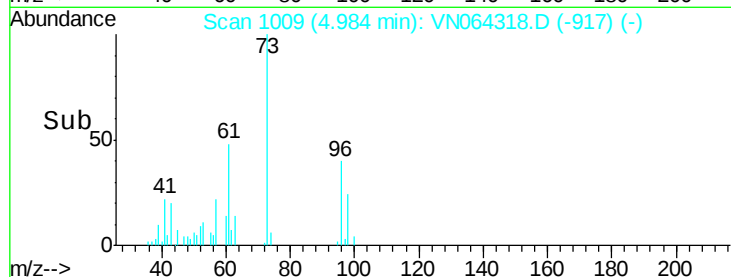
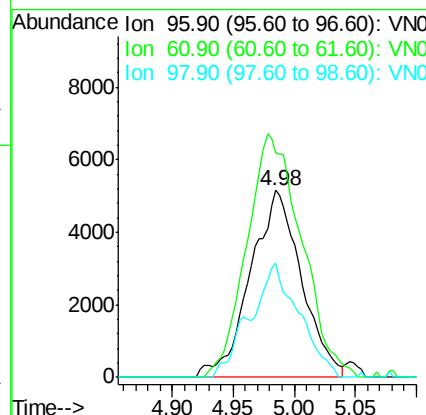
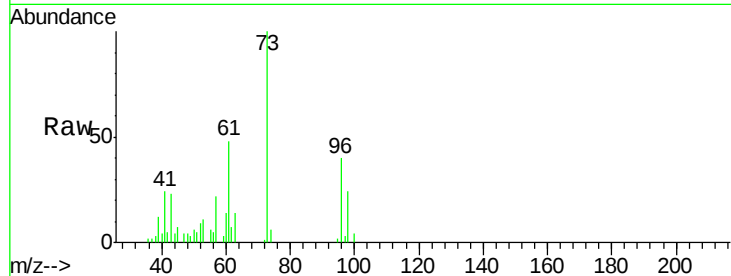
#21
trans-1,2-Dichloroethene
Concen: 5.301 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	120.1	128.2	192.2#	
98	61.0	56.1	84.1	

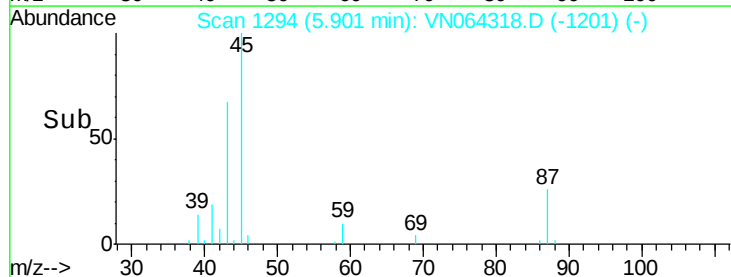
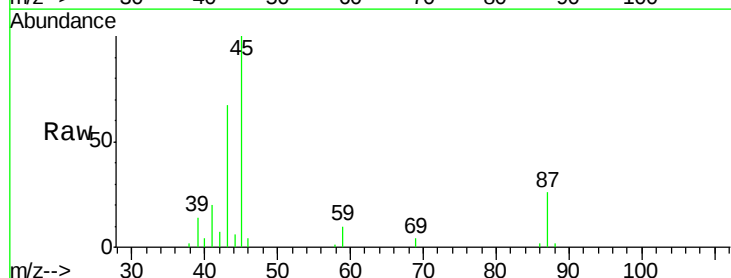
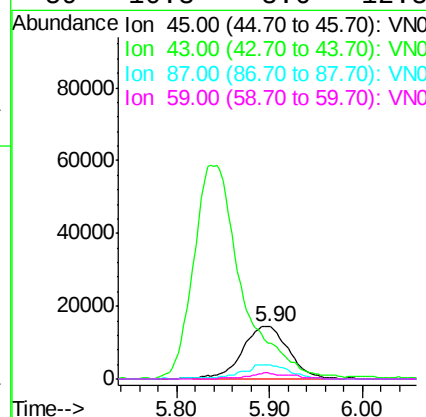
Manual Integrations
APPROVED

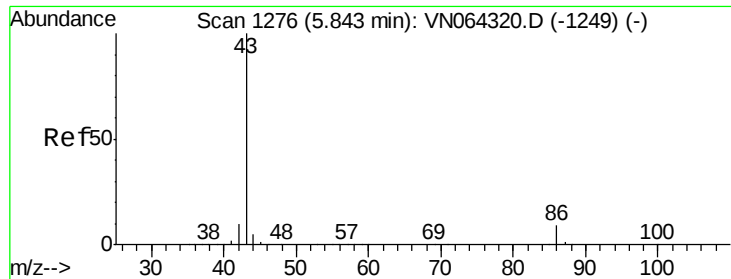
MMDadoda
10/28/2020 12:35:20 PM



#22
Diisopropyl ether
Concen: 5.165 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	63.3	54.6	82.0	
87	26.2	22.6	33.8	
59	10.3	8.6	12.8	





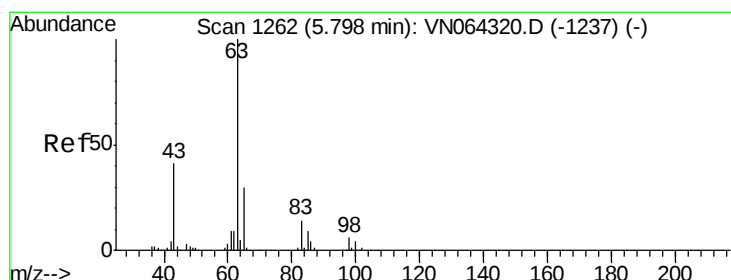
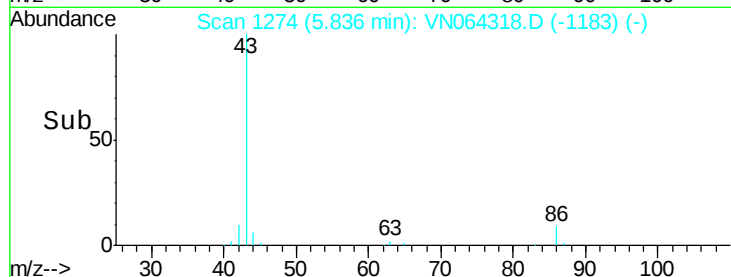
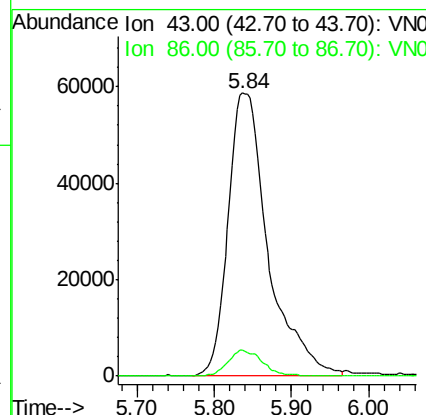
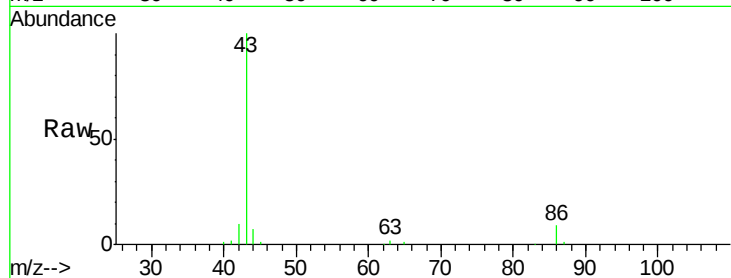
#23
 Vinyl Acetate
 Concen: 24.370 ug/l
 RT: 5.84 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	209364
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.3	10.9

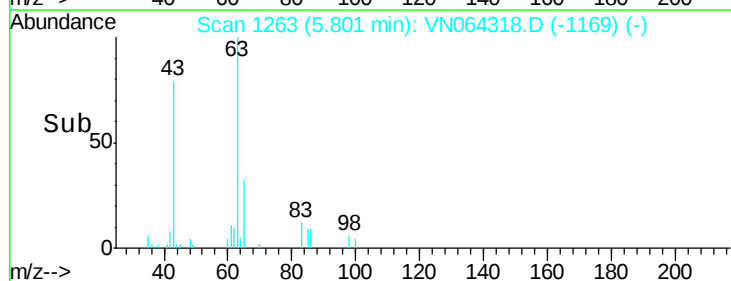
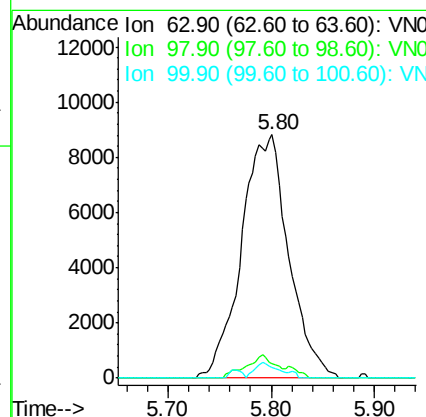
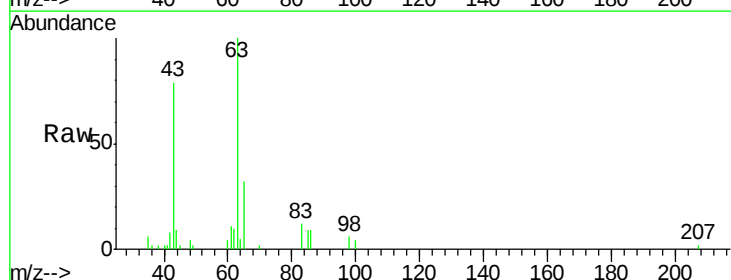
Manual Integrations
 APPROVED

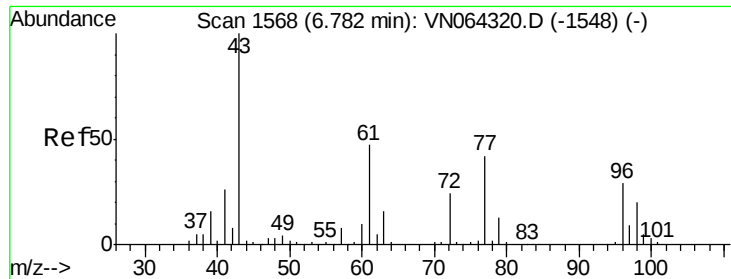
MMDadoda
 10/28/2020 12:35:20 PM



#24
 1,1-Dichloroethane
 Concen: 5.052 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	63	Resp	28050
Ion Ratio	Lower	Upper	
63	100		
98	5.7	3.1	9.4
100	4.3	2.0	5.8





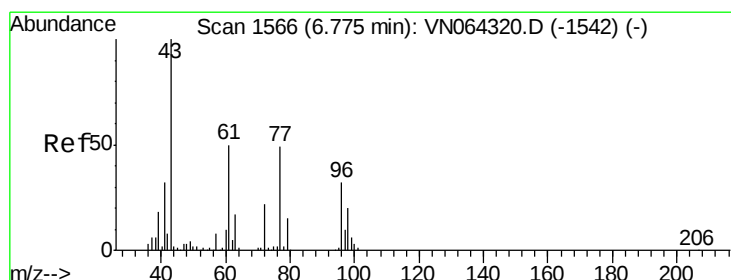
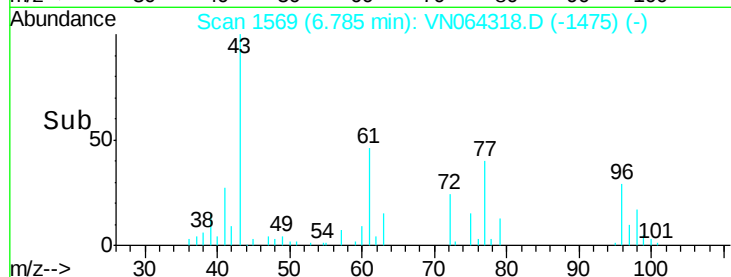
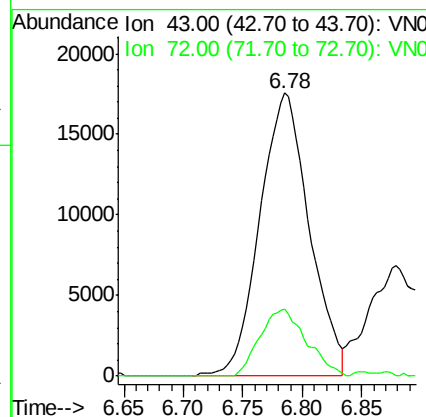
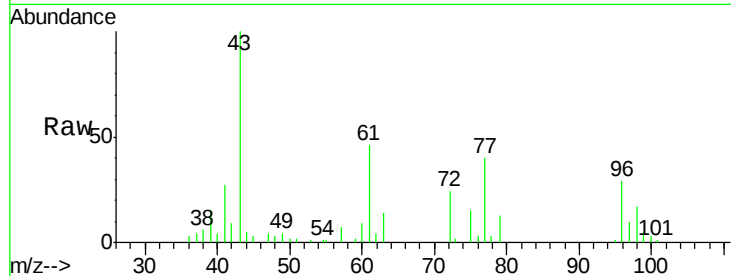
#25
2-Butanone
Concen: 26.447 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 50551
Ion Ratio Lower Upper
43 100
72 23.7 18.8 28.2

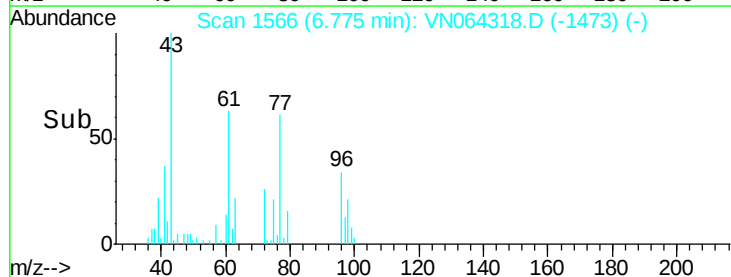
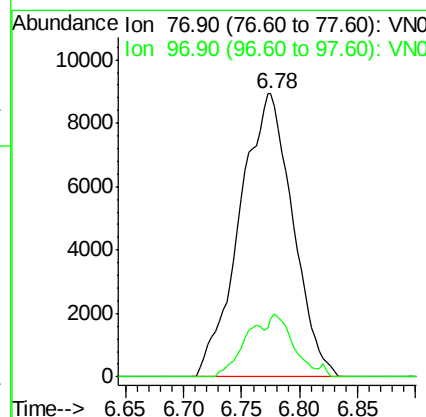
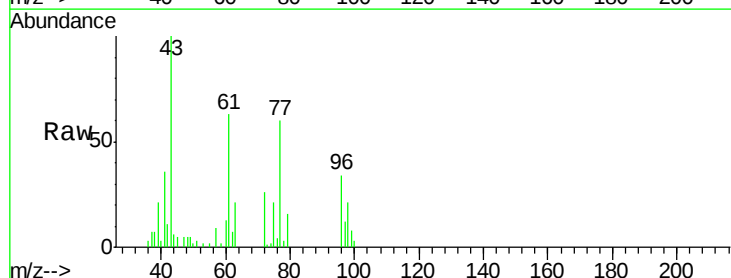
Manual Integrations
APPROVED

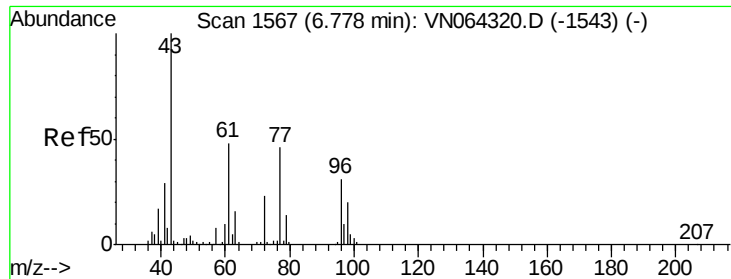
MMDadoda
10/28/2020 12:35:20 PM



#26
2,2-Dichloropropane
Concen: 5.150 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 77 Resp: 28436
Ion Ratio Lower Upper
77 100
97 8.0 10.2 30.6#





#27

cis-1,2-Dichloroethene

Concen: 5.030 ug/l m

RT: 6.77 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

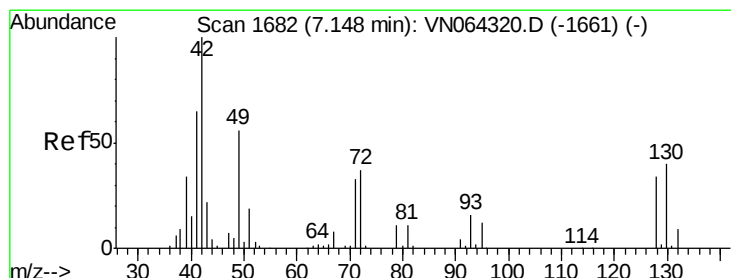
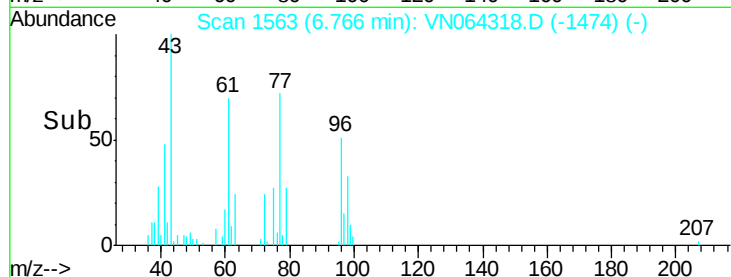
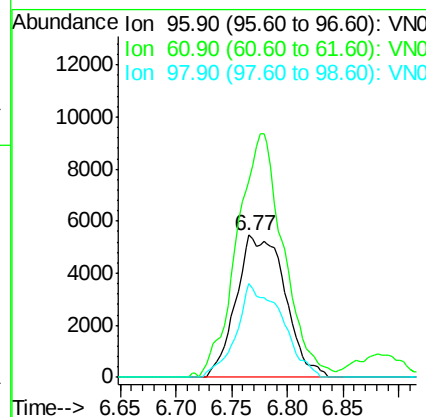
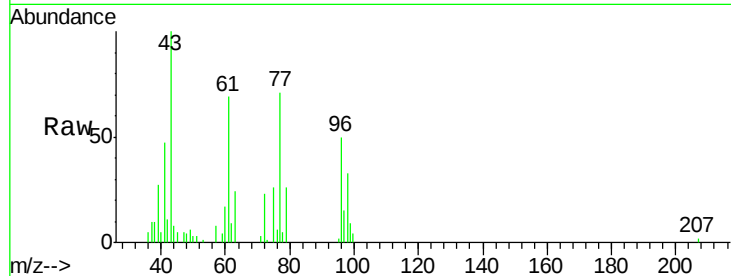
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16611
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	325.0
98	61.5	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#28

Bromochloromethane

Concen: 5.374 ug/l

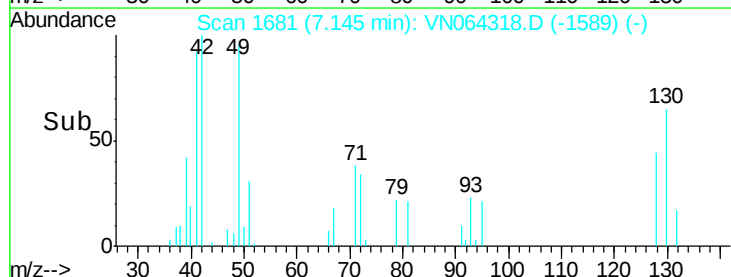
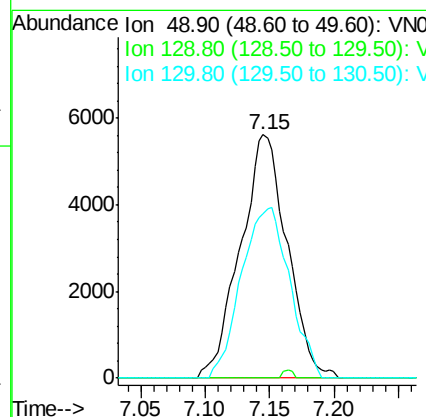
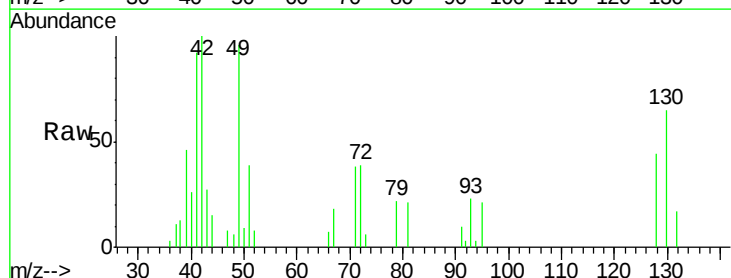
RT: 7.15 min Scan# 1681

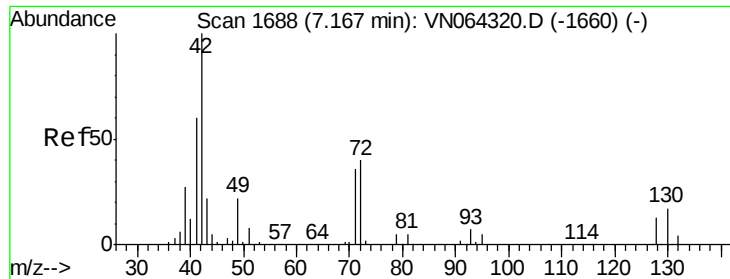
Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion:	49	Resp:	14195
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.8
130	72.3	56.2	84.2





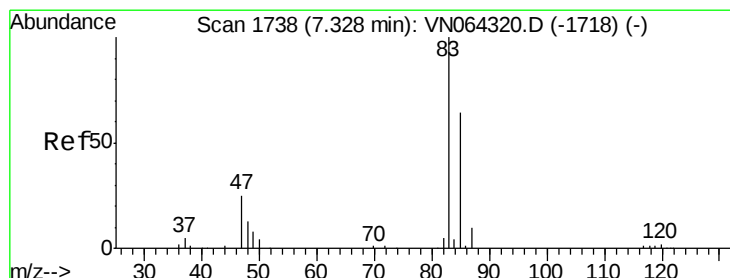
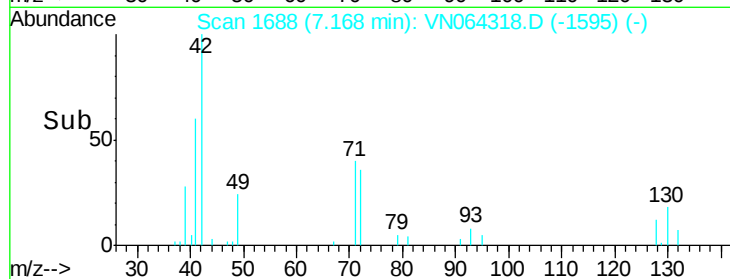
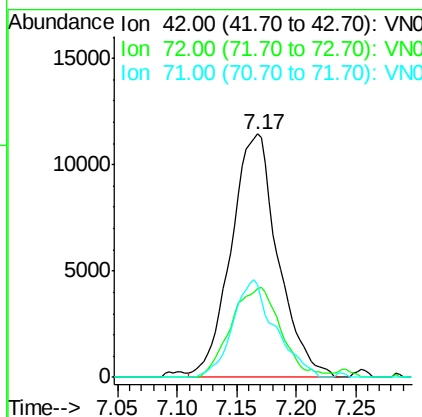
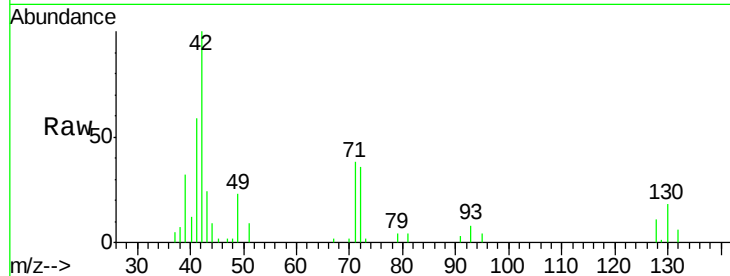
#29
Tetrahydrofuran
Concen: 26.936 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.6	47.4
71	36.3	29.4	44.0

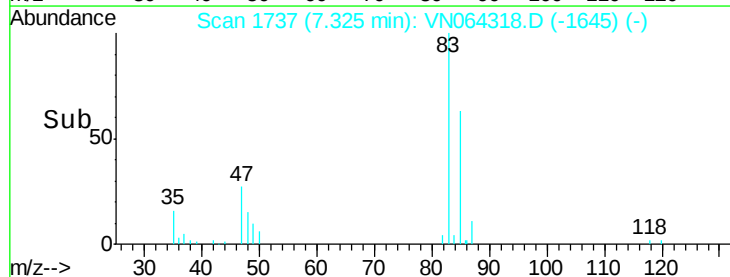
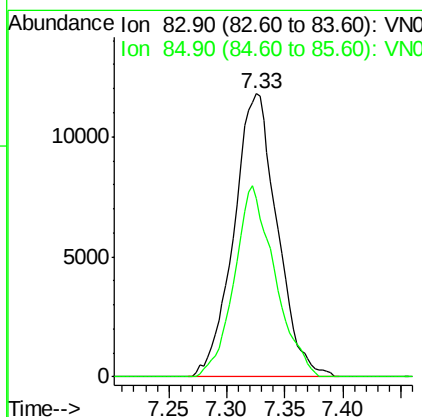
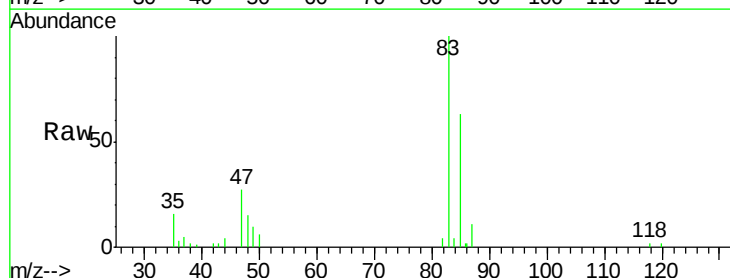
Manual Integrations
APPROVED

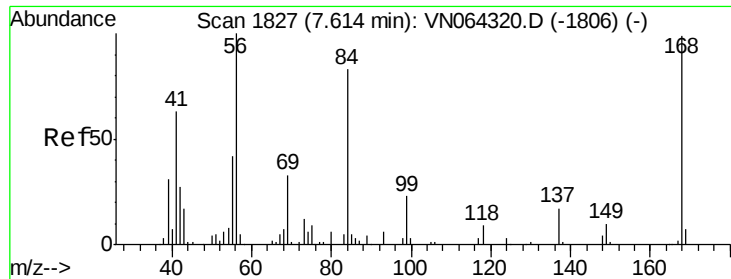
MMDadoda
10/28/2020 12:35:20 PM



#30
Chloroform
Concen: 5.163 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7





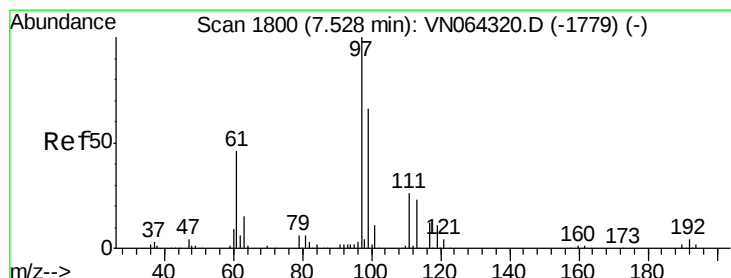
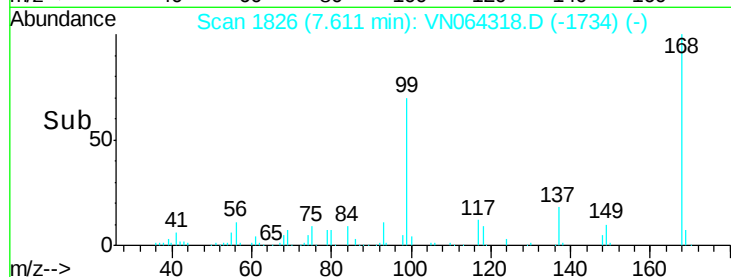
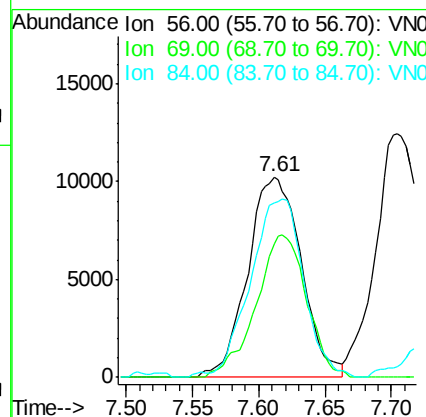
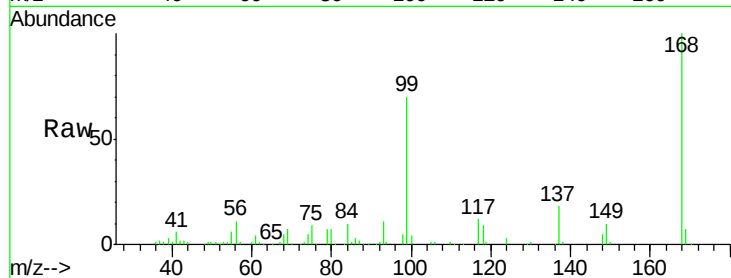
#31
Cyclohexane
Concen: 5.868 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	66.6	25.8	38.8#
84	85.6	66.3	99.5

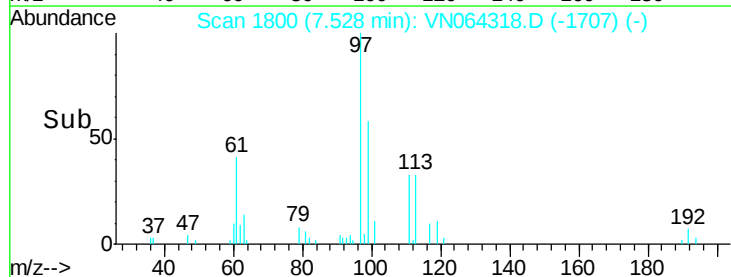
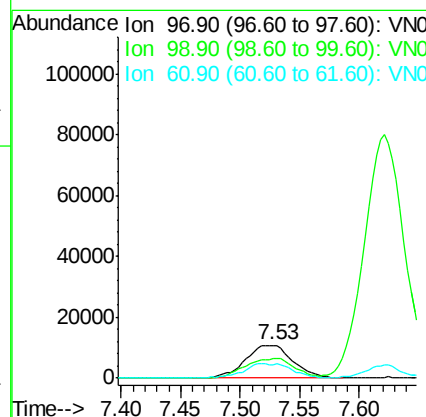
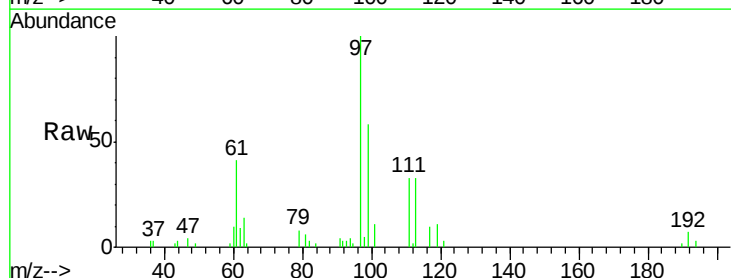
Manual Integrations
APPROVED

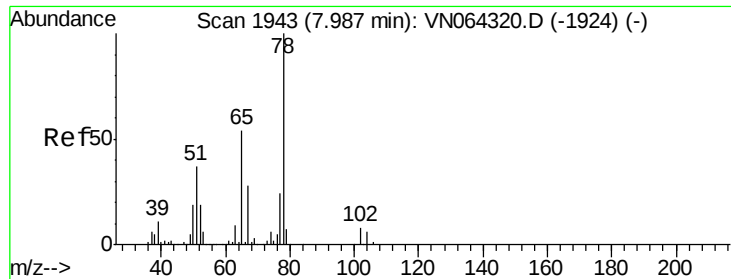
MMDadoda
10/28/2020 12:35:20 PM



#32
1,1,1-Trichloroethane
Concen: 5.356 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.6	76.0
61	24.7	35.8	53.6#





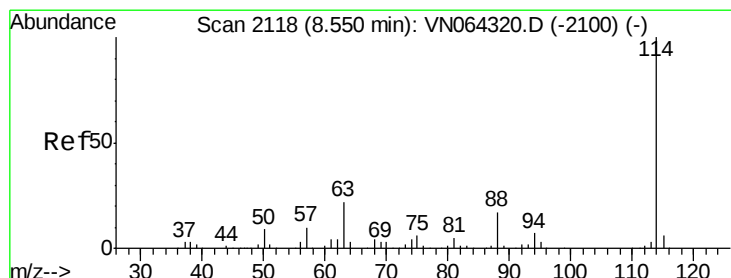
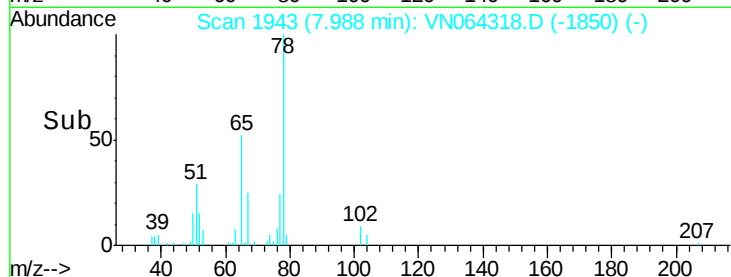
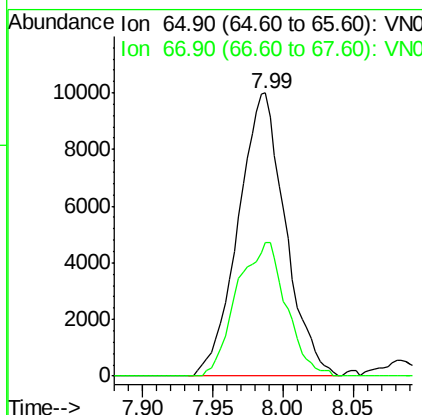
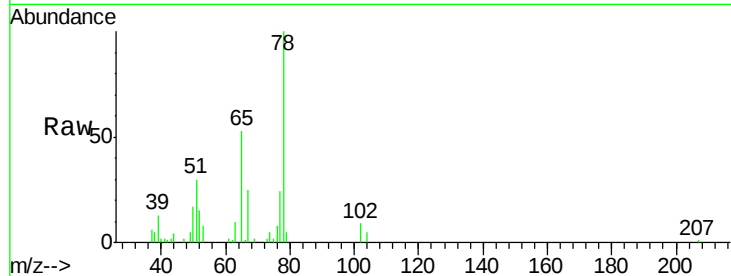
#33
 1,2-Dichloroethane-d4
 Concen: 5.703 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	23369		
67	49.1	0.0	99.2	

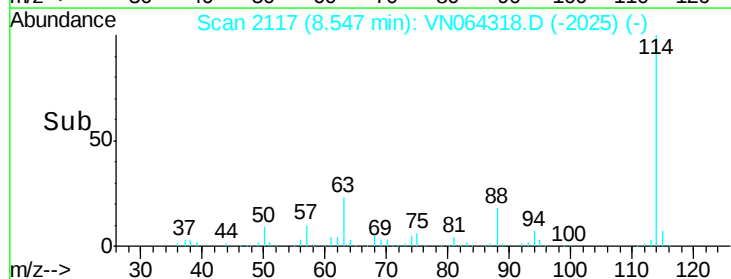
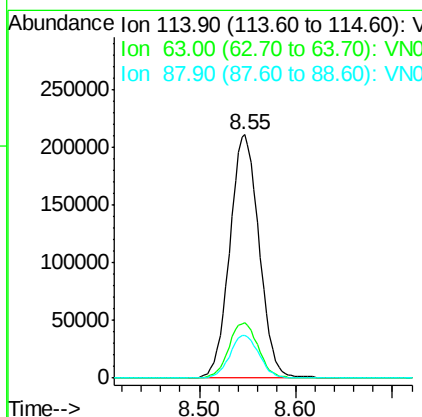
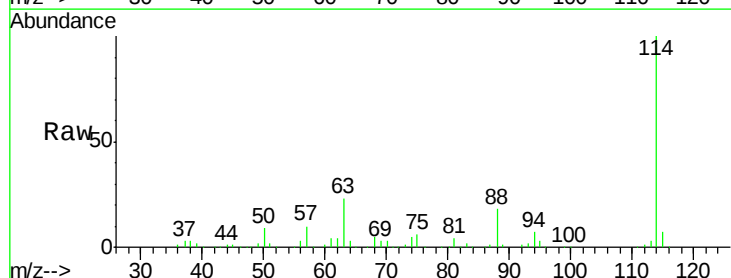
Manual Integrations
 APPROVED

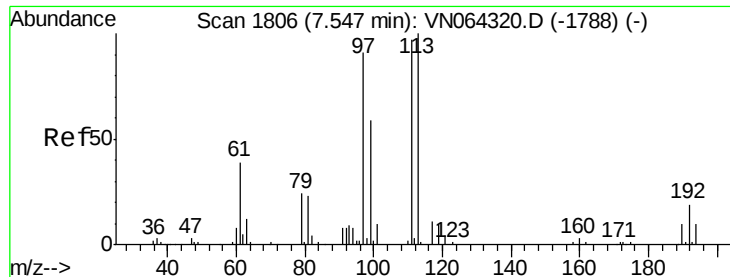
MMDadoda
 10/28/2020 12:35:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	443424		
63	22.6	0.0	44.6	
88	17.7	0.0	33.4	





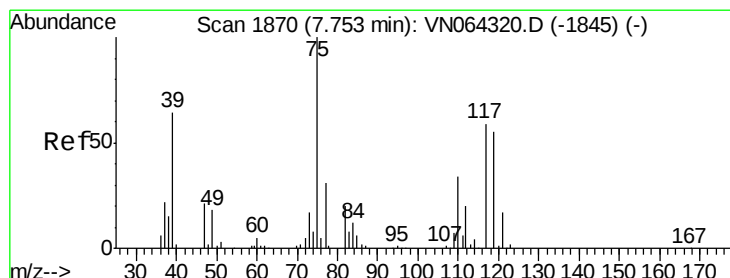
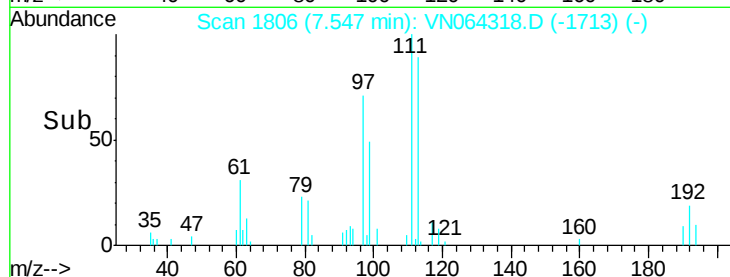
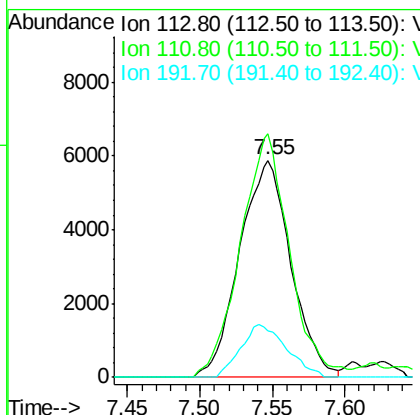
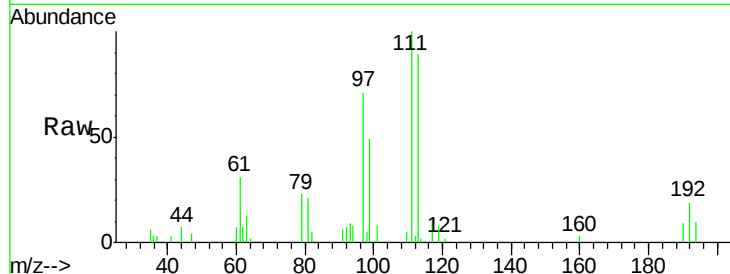
#35
 Dibromofluoromethane
 Concen: 4.898 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.8	81.5	122.3
192	21.7	15.0	22.4

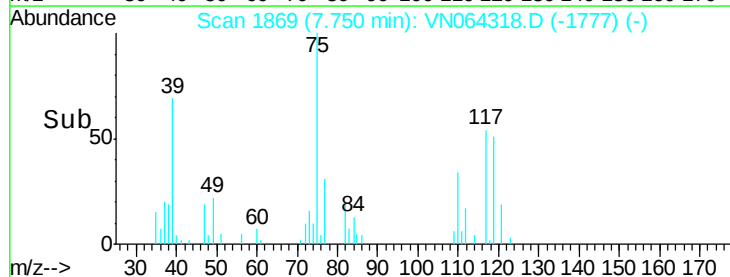
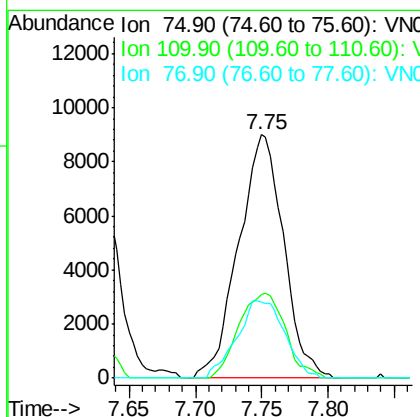
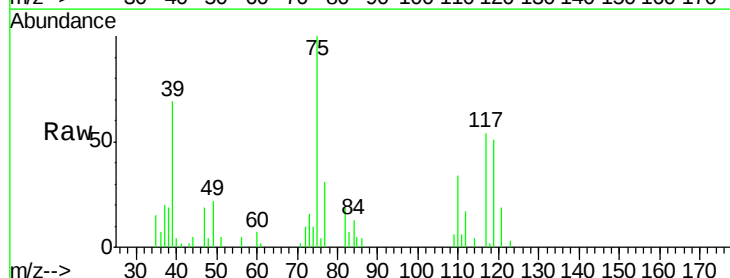
Manual Integrations
 APPROVED

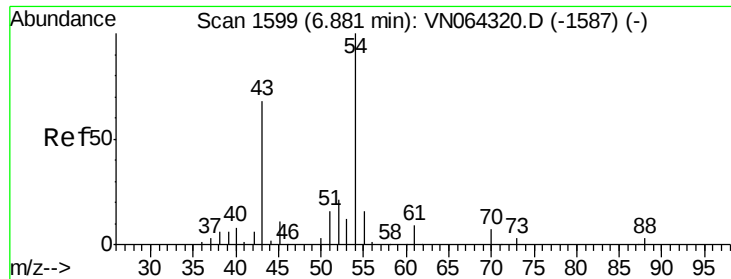
MMDadoda
 10/28/2020 12:35:20 PM



#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	16.8	50.3
77	33.8	24.2	36.4





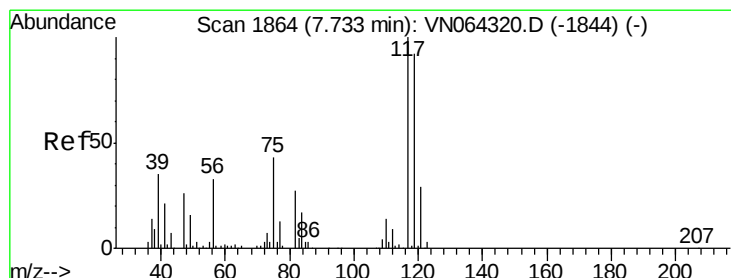
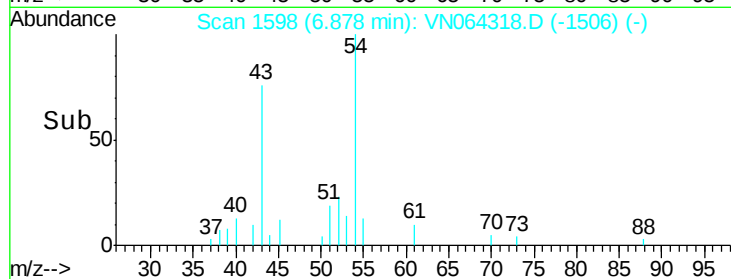
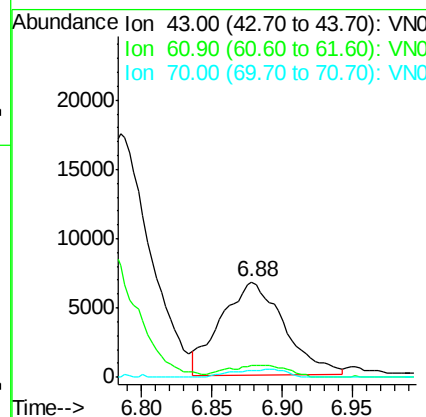
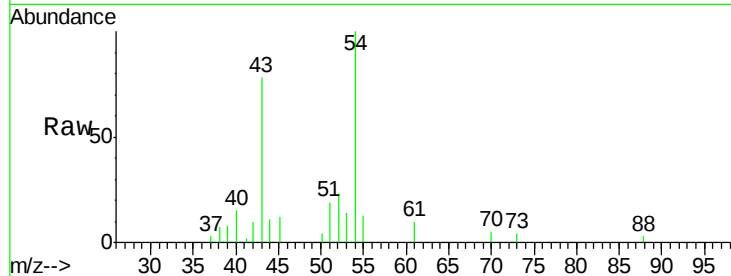
#37
Ethyl Acetate
Concen: 5.075 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.0	10.0	15.0#
70	7.3	7.1	10.7

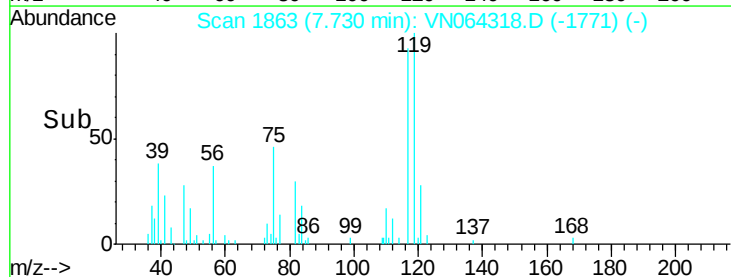
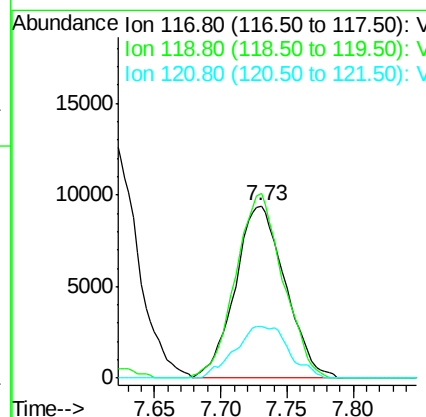
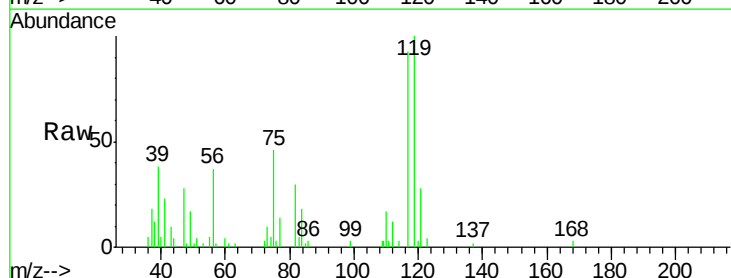
Manual Integrations
APPROVED

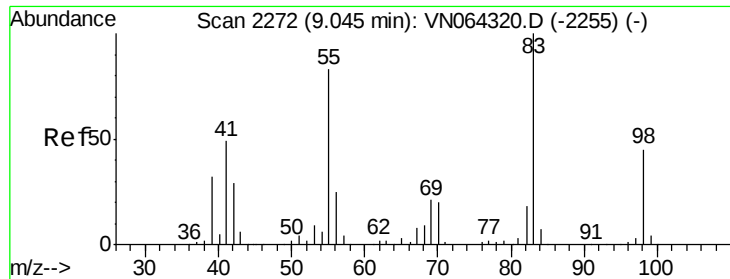
MMDadoda
10/28/2020 12:35:20 PM



#38
Carbon Tetrachloride
Concen: 4.888 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	107.0	73.7	110.5
121	30.3	22.8	34.2





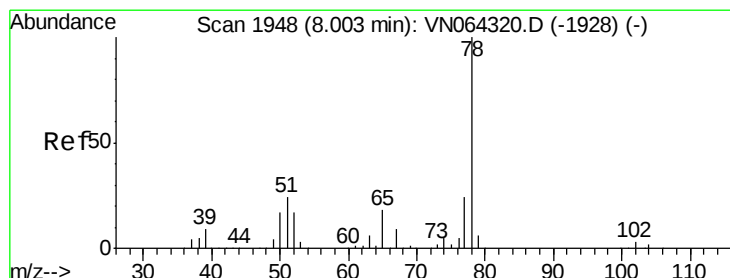
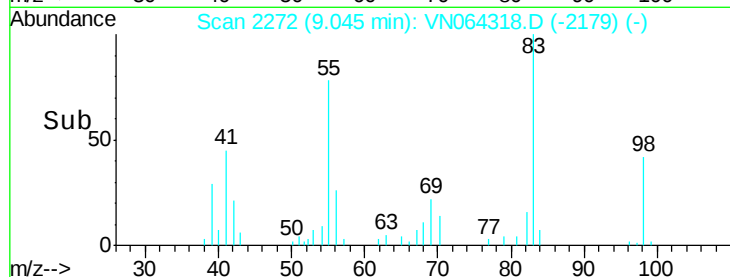
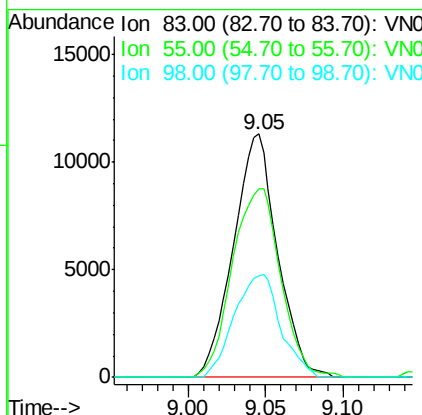
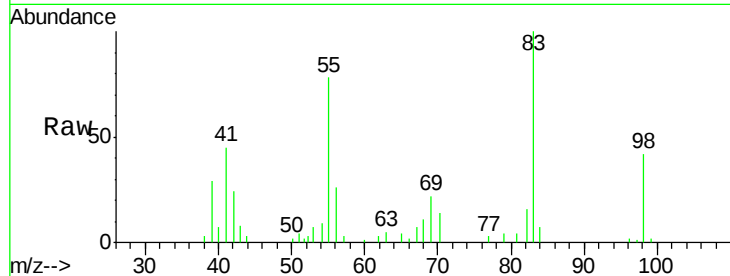
#39
Methvlcvclohexane
Concen: 5.504 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	22383
Ion Ratio	100	Lower	Upper
83	100		
55	77.7	66.2	99.4
98	42.0	36.0	54.0

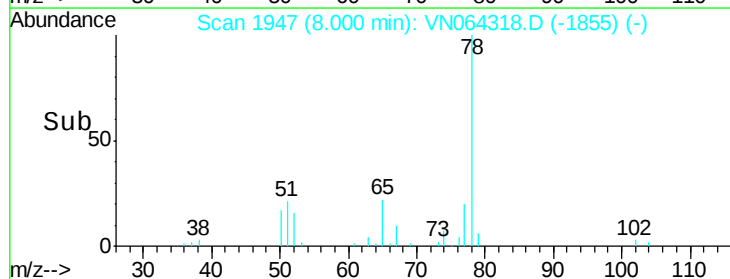
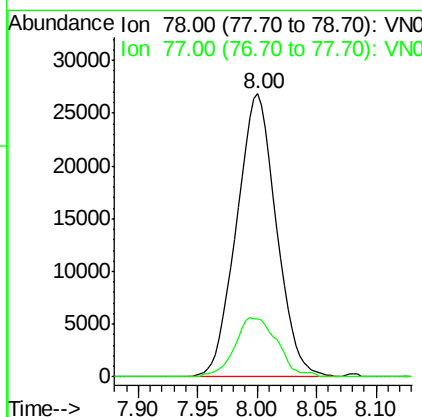
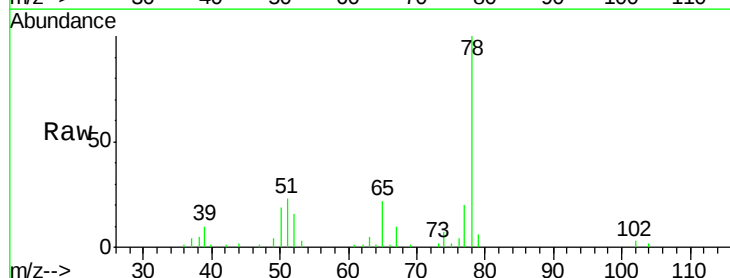
Manual Integrations
APPROVED

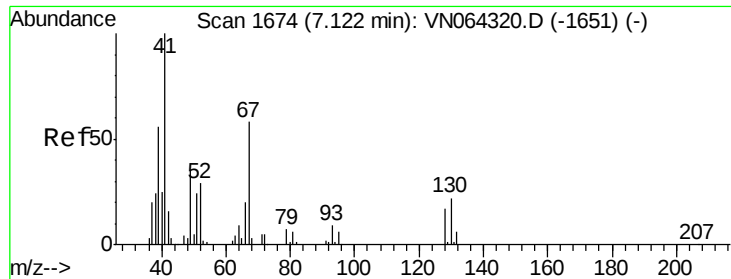
MMDadoda
10/28/2020 12:35:20 PM



#40
Benzene
Concen: 5.084 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	78	Resp	62188
Ion Ratio	100	Lower	Upper
78	100		
77	20.5	18.8	28.2





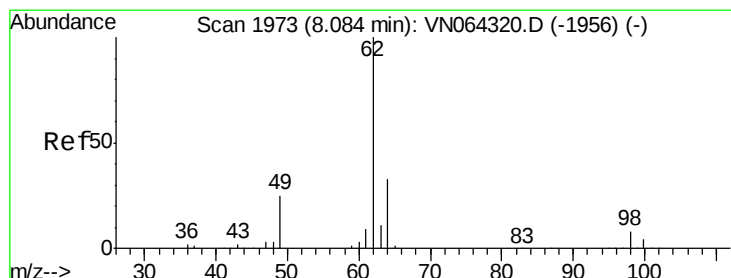
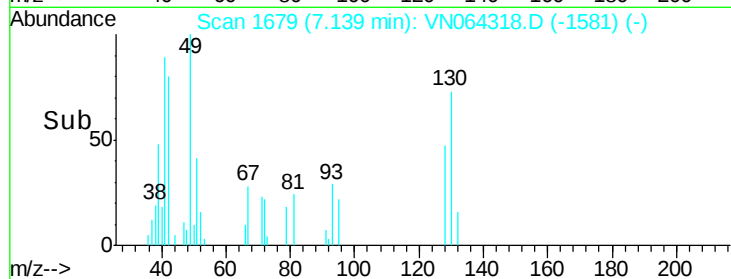
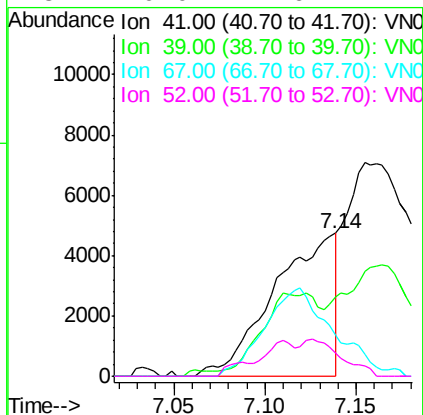
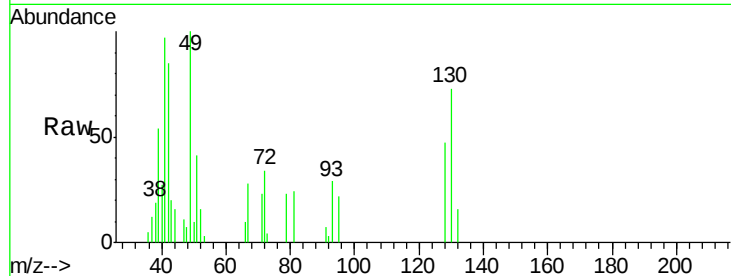
#41
Methacrylonitrile
Concen: 5.224 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.0	48.6	72.8	
67	0.0	61.4	92.2#	
52	0.0	27.6	41.4#	

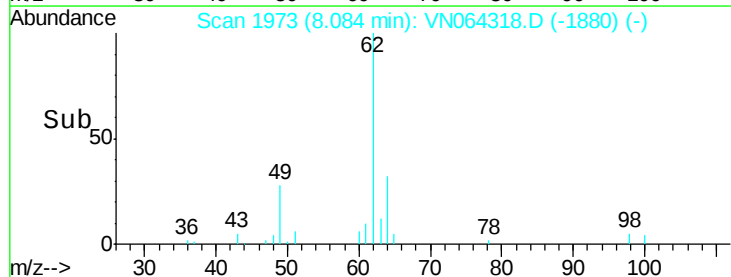
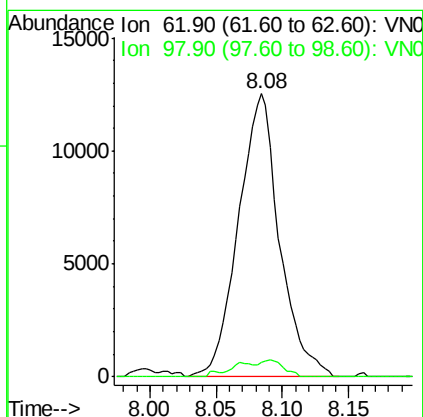
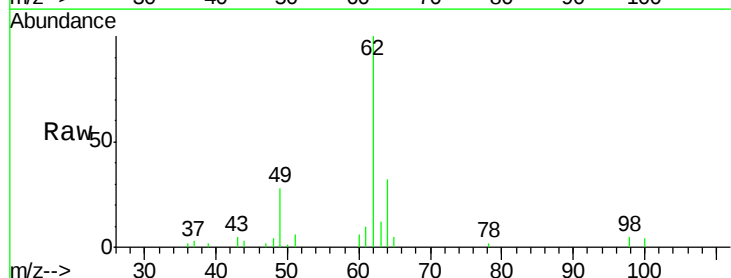
Manual Integrations
APPROVED

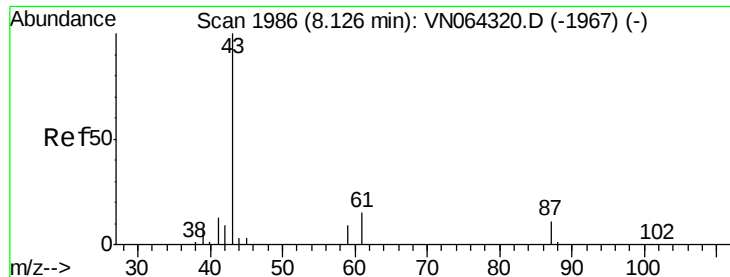
MMDadoda
10/28/2020 12:35:20 PM



#42
1,2-Dichloroethane
Concen: 5.105 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.3	0.0	14.2	





#43

Isopropyl Acetate

Concen: 4.913 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

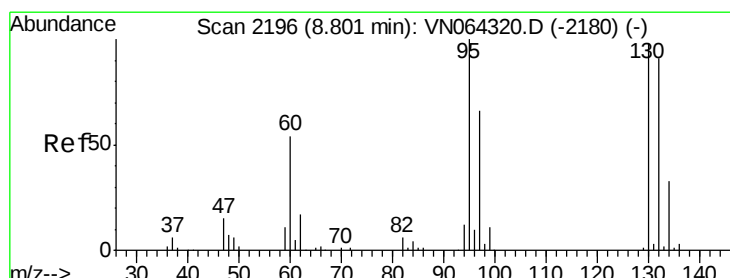
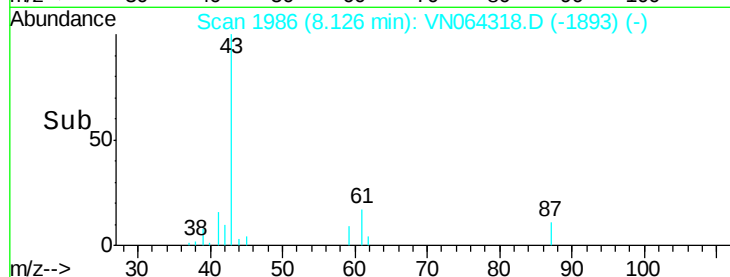
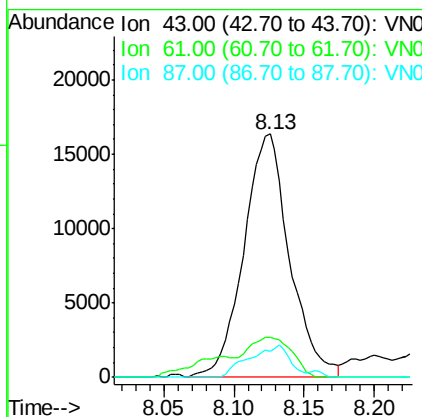
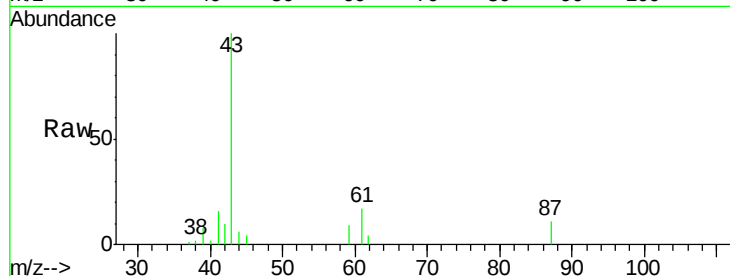
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	37161
Ion	Ratio	Lower	Upper
43	100		
61	16.1	19.1	28.7#
87	11.8	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#44

Trichloroethene

Concen: 4.743 ug/l

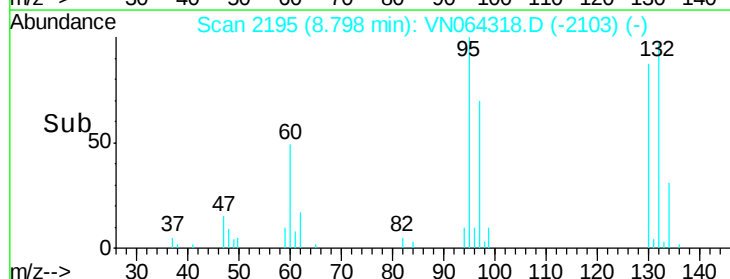
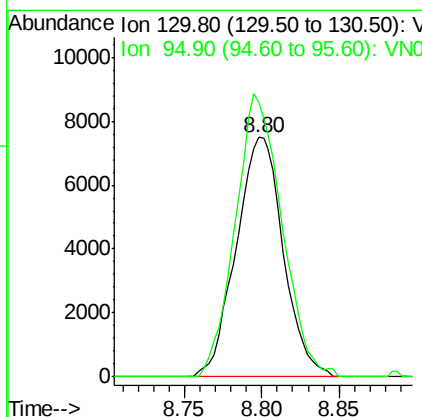
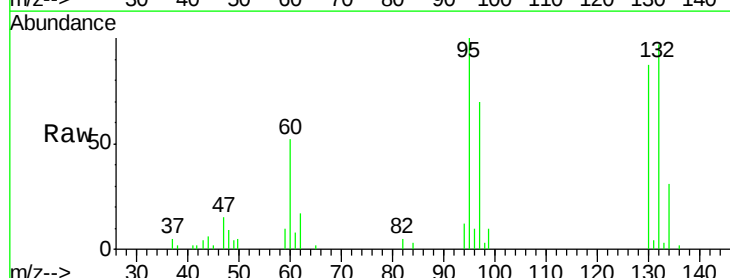
RT: 8.80 min Scan# 2195

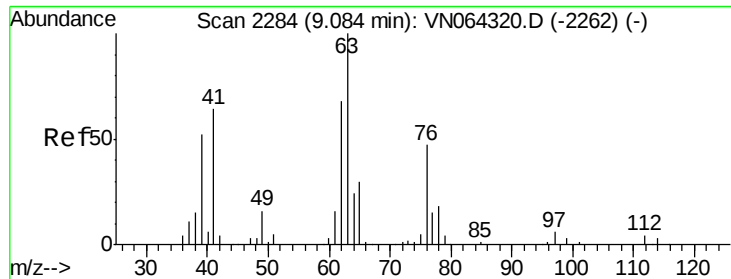
Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion:	130	Resp:	15829
Ion	Ratio	Lower	Upper
130	100		
95	114.6	0.0	203.6





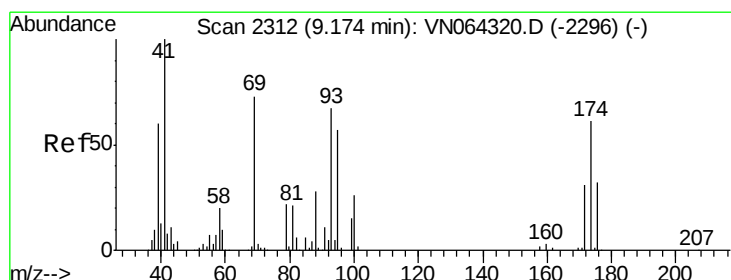
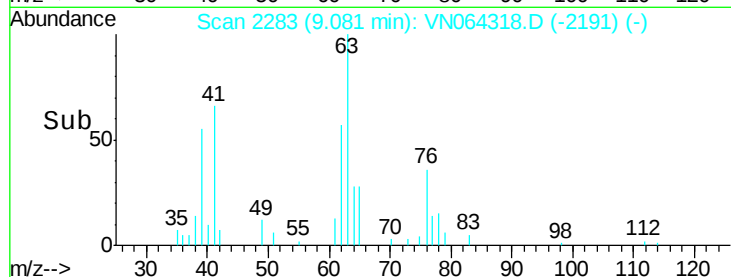
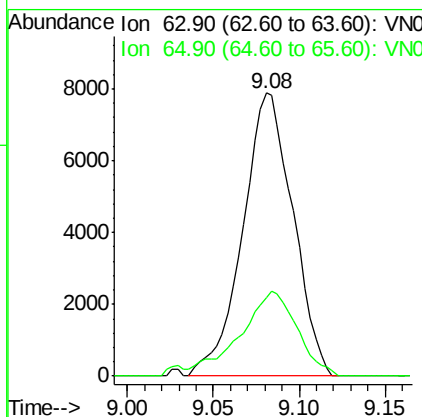
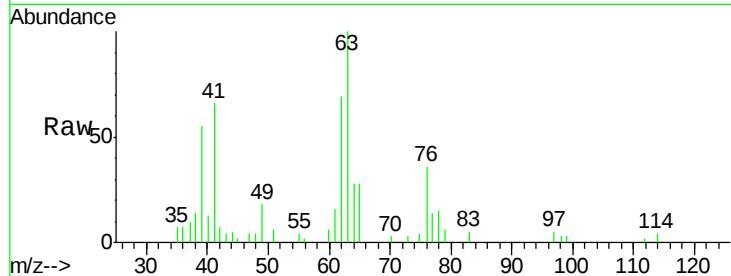
#45
 1,2-Dichloropropane
 Concen: 4.910 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 16001
 Ion Ratio Lower Upper
 63 100
 65 27.6 24.3 36.5

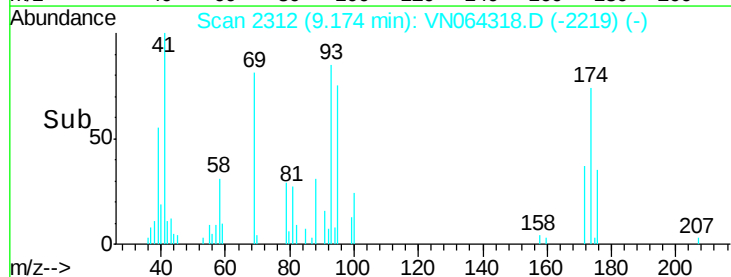
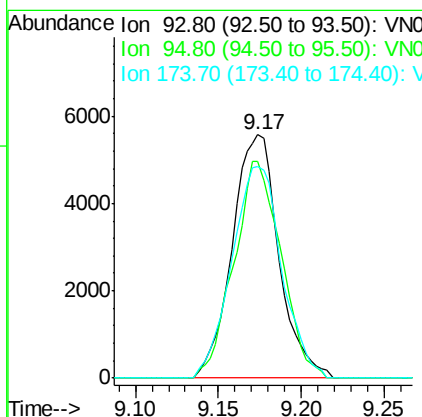
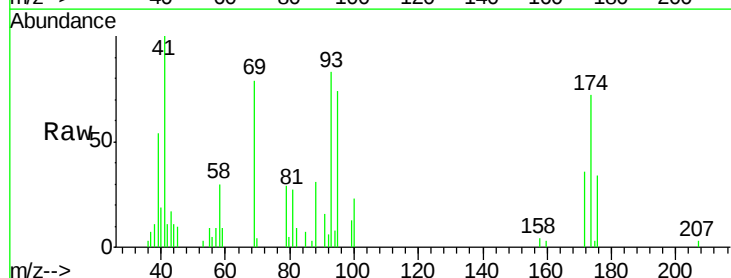
Manual Integrations
 APPROVED

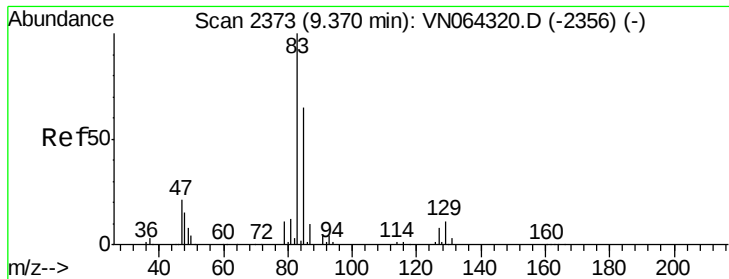
MMDadoda
 10/28/2020 12:35:20 PM



#46
 Dibromomethane
 Concen: 4.937 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 93 Resp: 10893
 Ion Ratio Lower Upper
 93 100
 95 90.2 64.4 96.6
 174 93.2 71.4 107.0





#47

Bromodichloromethane

Concen: 5.028 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

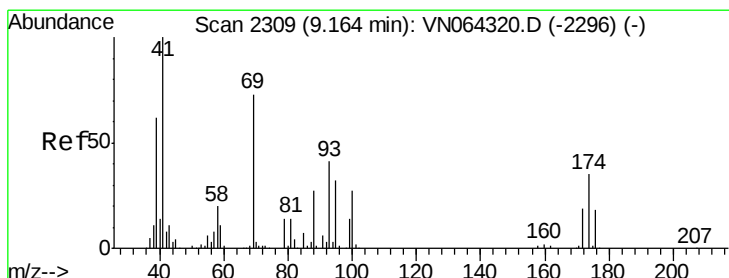
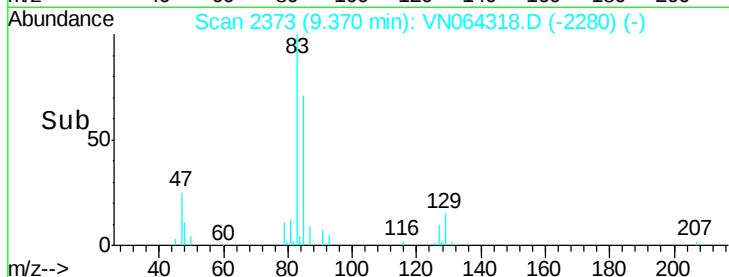
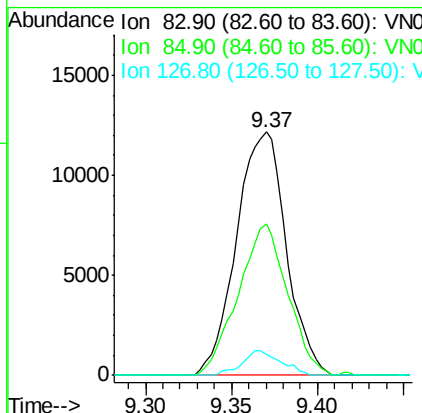
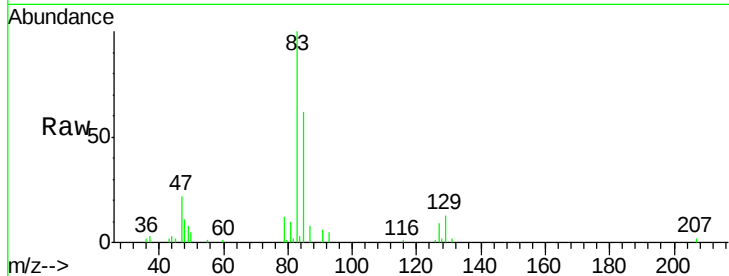
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	24418
Ion Ratio	Lower	Upper	
83	100		
85	62.2	52.1	78.1
127	8.8	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#48

Methyl methacrylate

Concen: 4.724 ug/l

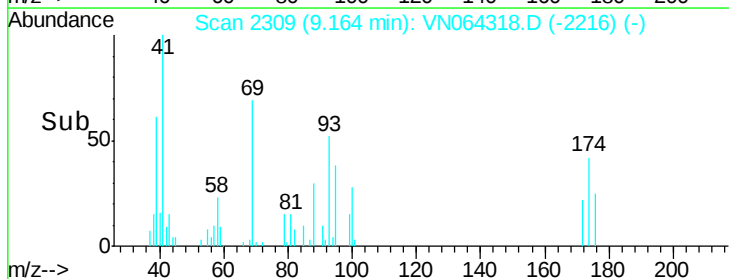
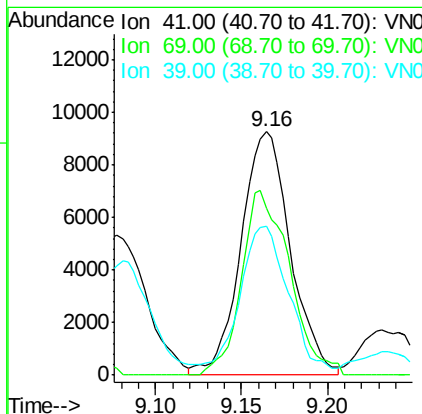
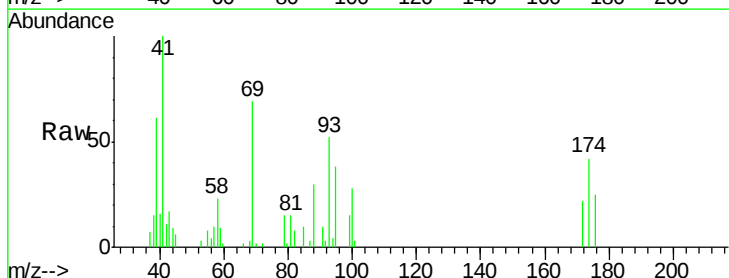
RT: 9.16 min Scan# 2309

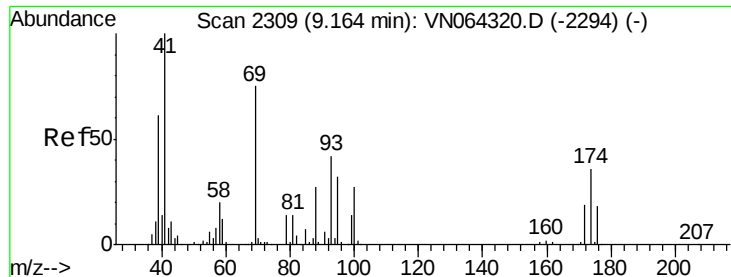
Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion:	41	Resp:	18562
Ion Ratio	Lower	Upper	
41	100		
69	73.6	59.1	88.7
39	55.3	51.3	76.9





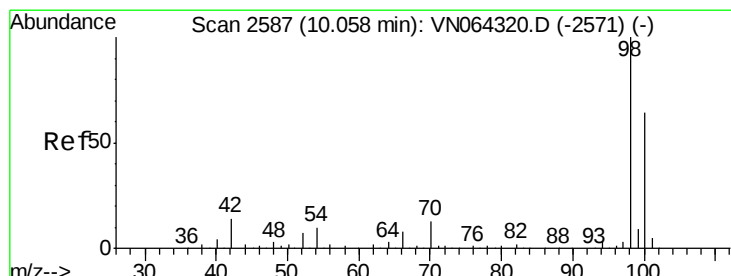
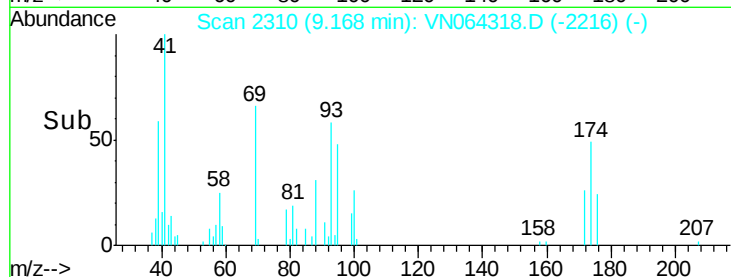
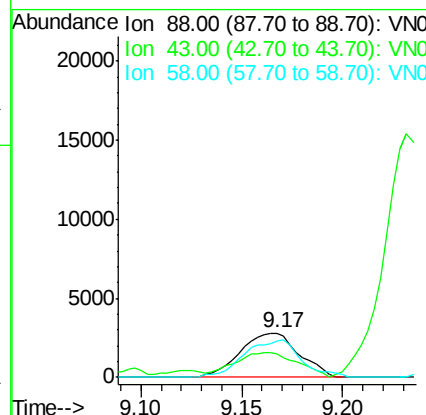
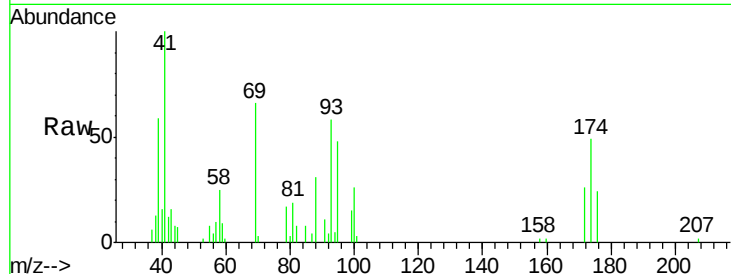
#49
1,4-Dioxane
Concen: 118.272 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	60.2	31.8	47.8#
58	81.2	60.3	90.5

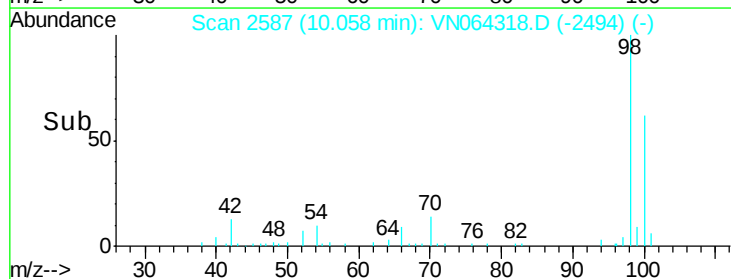
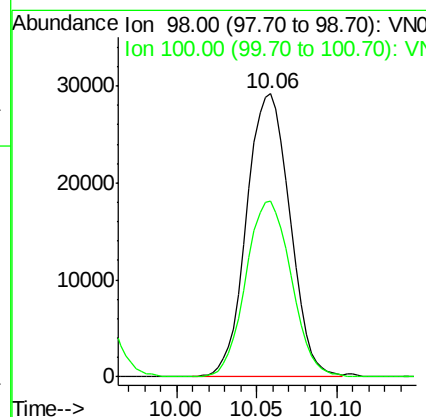
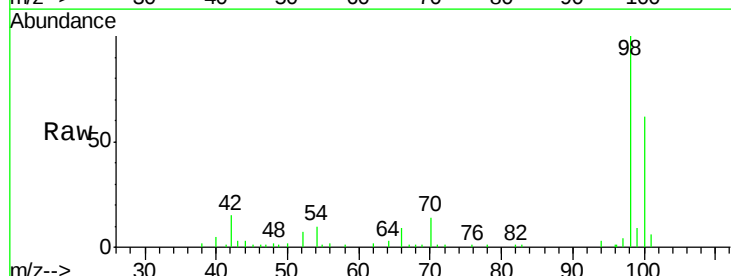
Manual Integrations
APPROVED

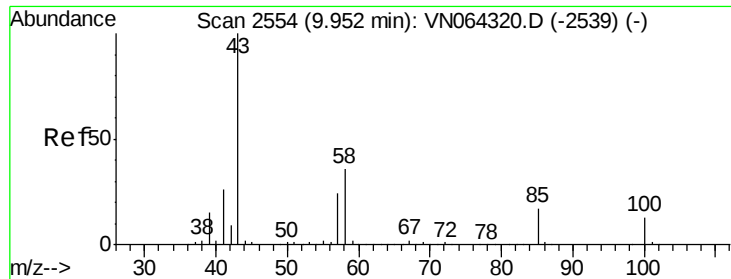
MMDadoda
10/28/2020 12:35:20 PM



#50
Toluene-d8
Concen: 5.080 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 24.576 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 100517

Ion Ratio Lower Upper

43 100

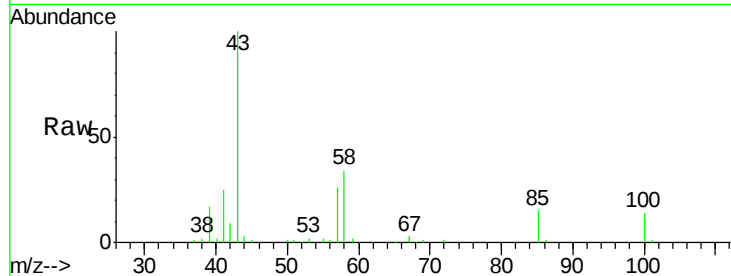
58 34.5 28.6 42.8

Manual Integrations

APPROVED

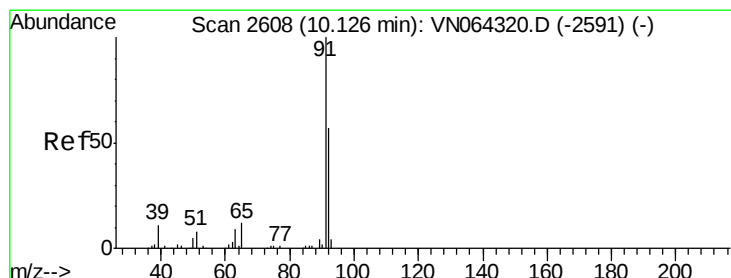
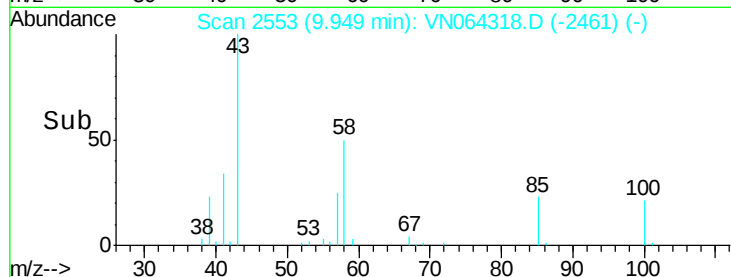
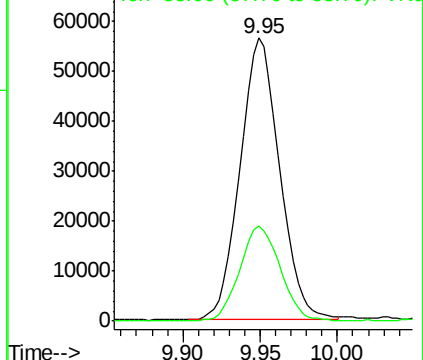
MMDadoda

10/28/2020 12:35:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.945 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064318.D

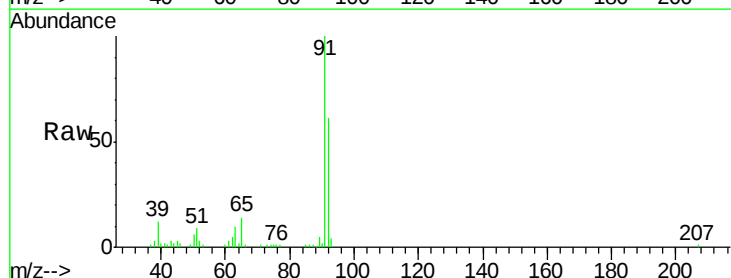
Acq: 27 Oct 2020 10:29

Tgt Ion: 92 Resp: 38607

Ion Ratio Lower Upper

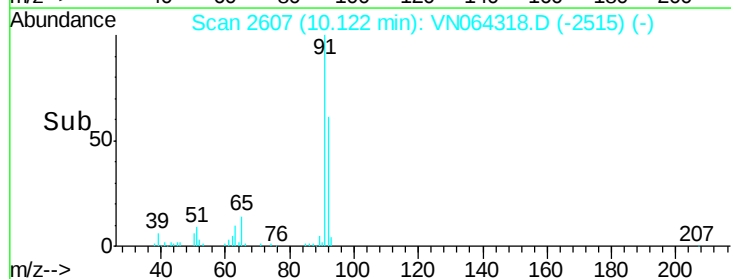
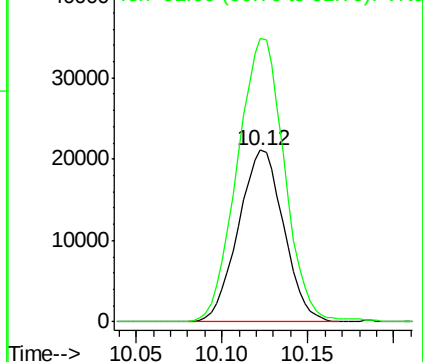
92 100

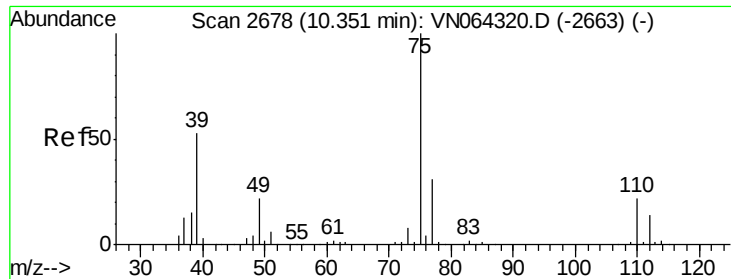
91 171.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





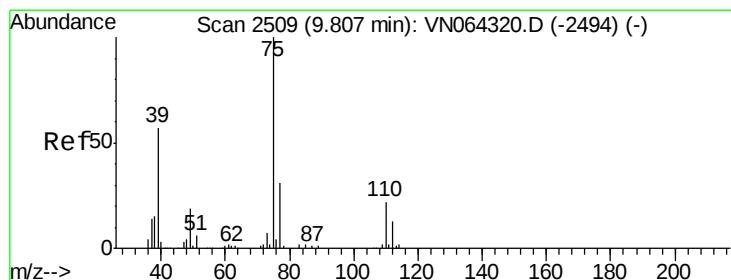
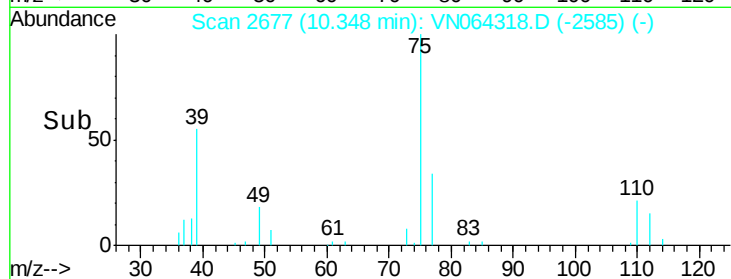
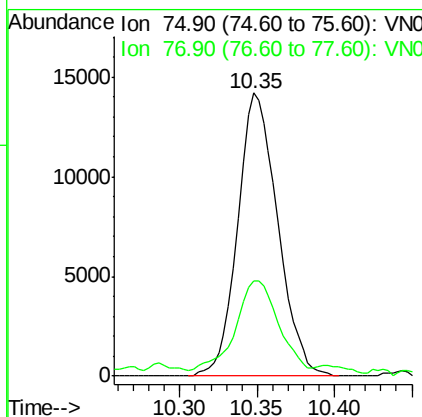
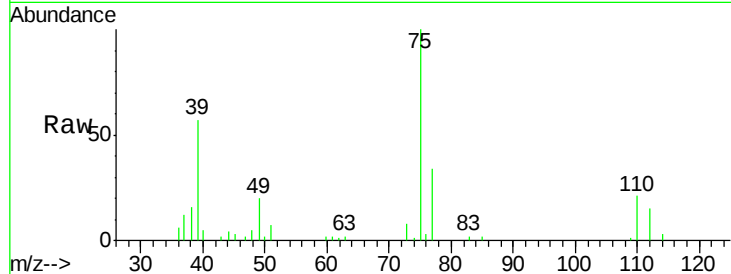
#53
t-1,3-Dichloropropene
Concen: 4.750 ug/l
RT: 10.35 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 25506
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2

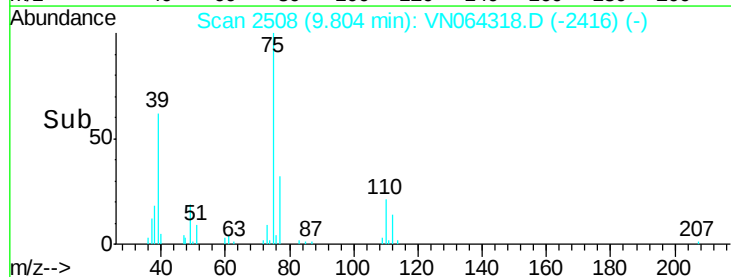
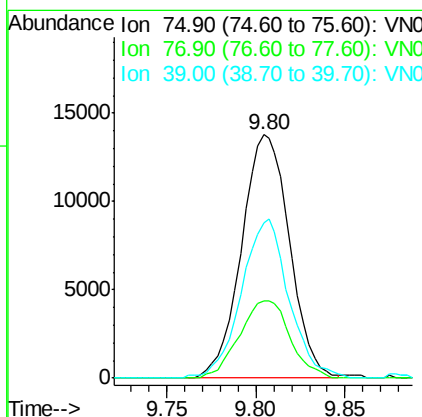
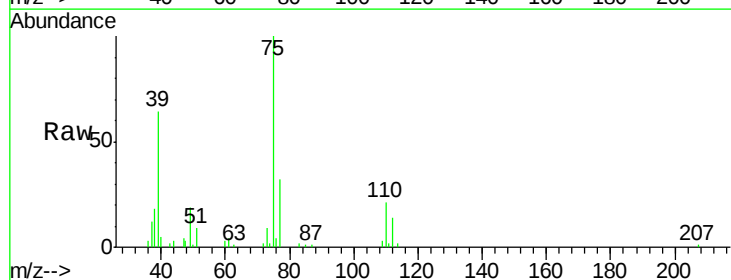
Manual Integrations
APPROVED

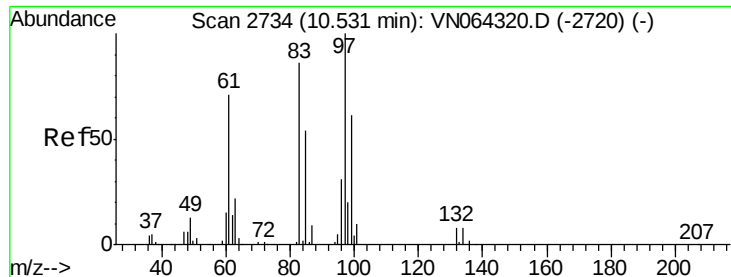
MMDadoda
10/28/2020 12:35:20 PM



#54
cis-1,3-Dichloropropene
Concen: 4.567 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 75 Resp: 25906
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4
39 62.5 45.5 68.3





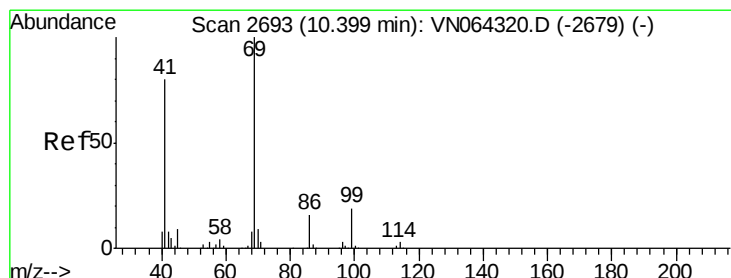
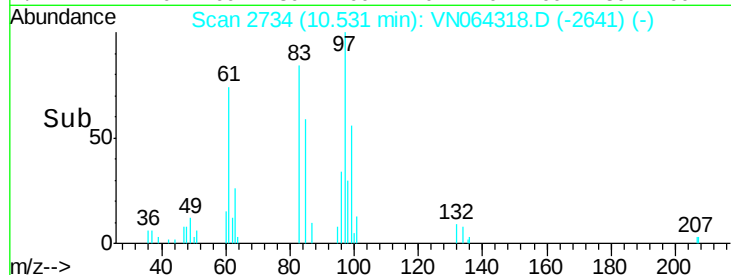
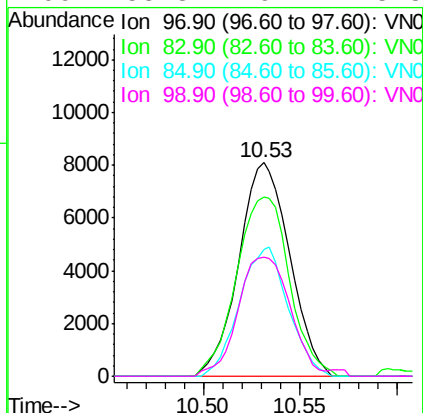
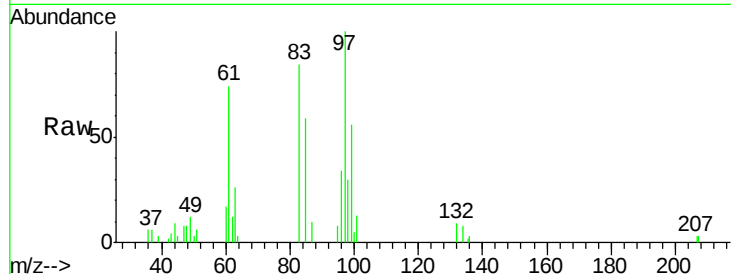
#55
 1,1,2-Trichloroethane
 Concen: 4.980 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	14757
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.9	103.3
85	59.2	43.6	65.4
99	55.8	49.2	73.8

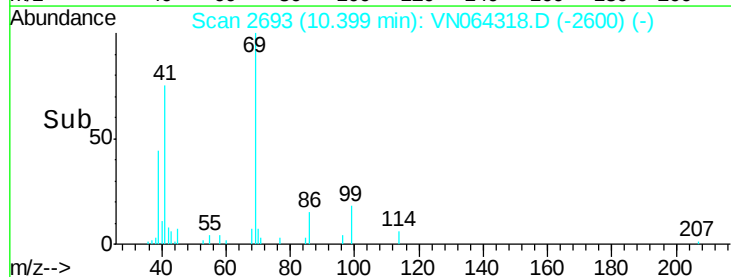
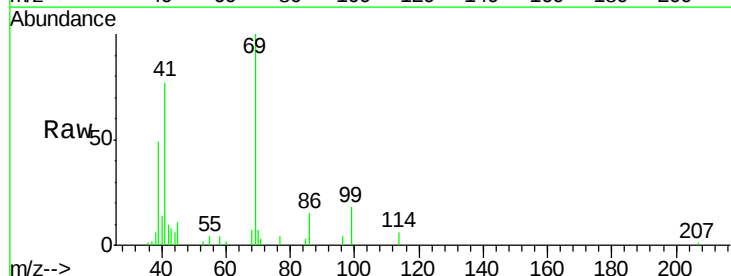
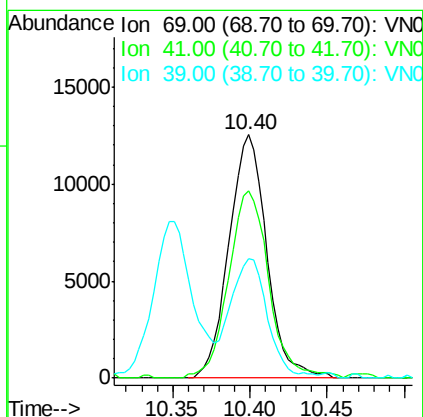
Manual Integrations
 APPROVED

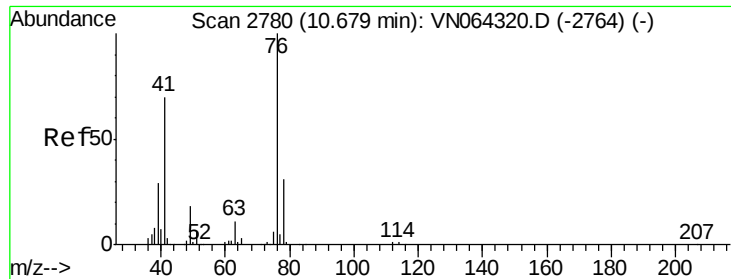
MMDadoda
 10/28/2020 12:35:20 PM



#56
 Ethyl methacrylate
 Concen: 4.641 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion:	69	Resp:	21279
Ion	Ratio	Lower	Upper
69	100		
41	82.2	61.4	92.2
39	46.6	36.5	54.7





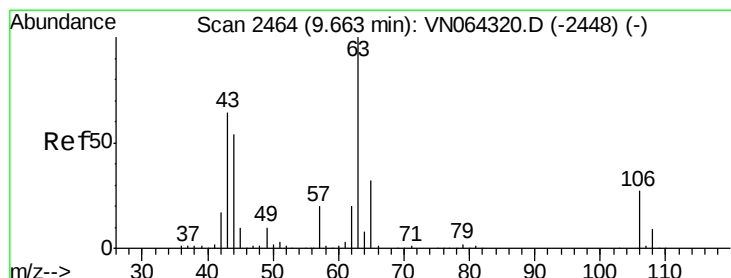
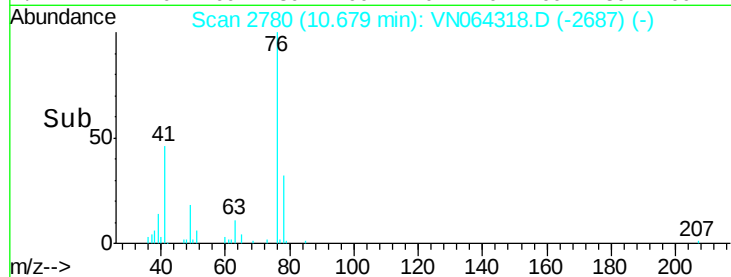
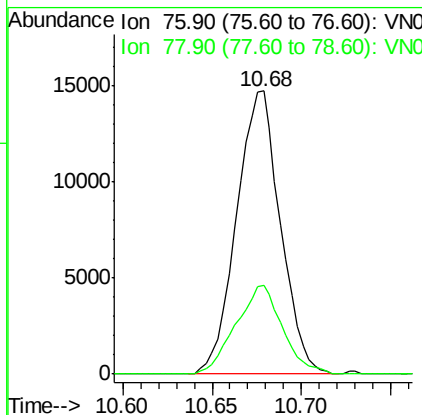
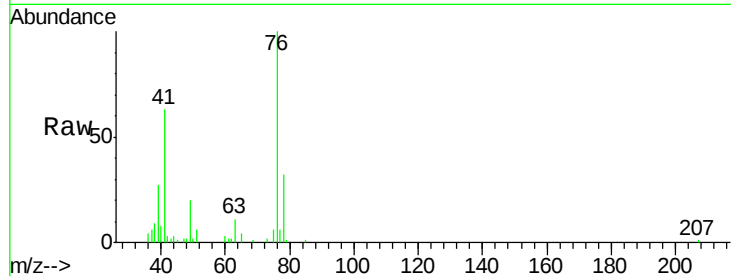
#57
 1,3-Dichloropropane
 Concen: 4.910 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 25292
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.8 38.6

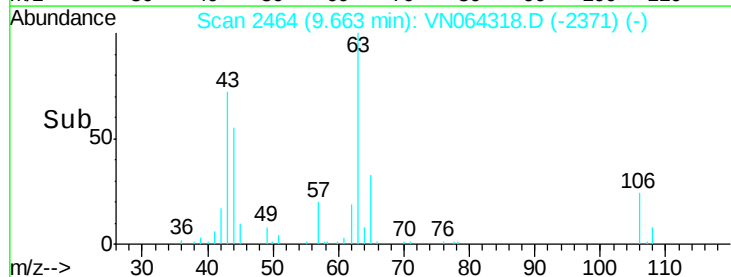
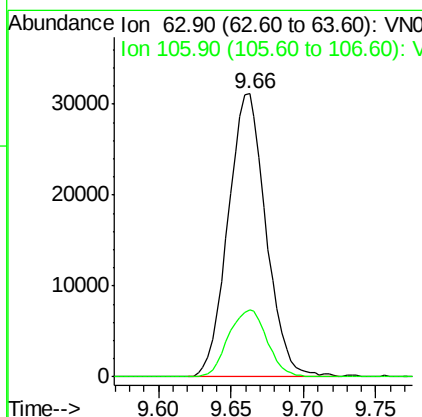
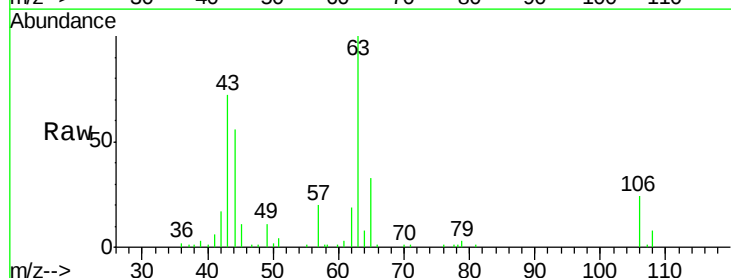
Manual Integrations
 APPROVED

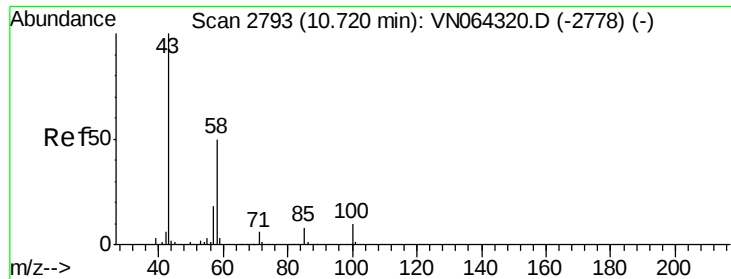
MMDadoda
 10/28/2020 12:35:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.100 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 63 Resp: 56708
 Ion Ratio Lower Upper
 63 100
 106 24.0 21.0 31.4





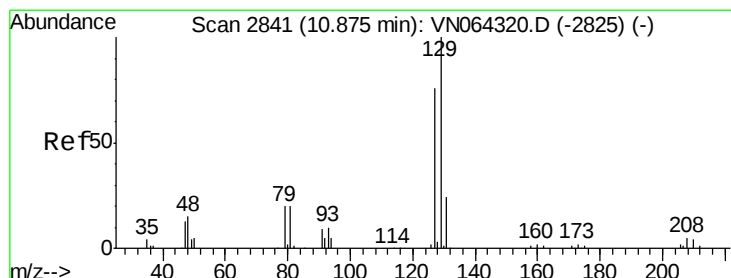
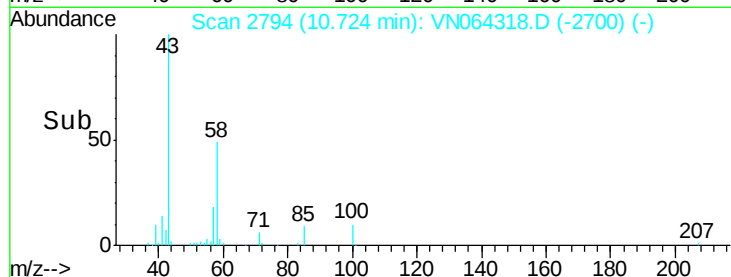
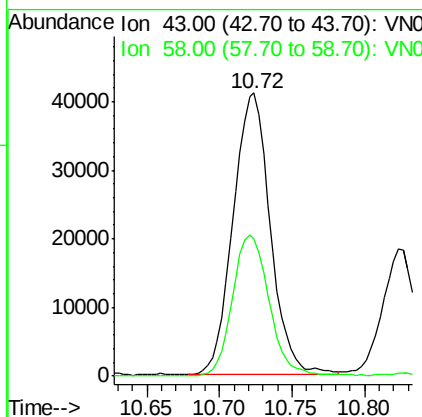
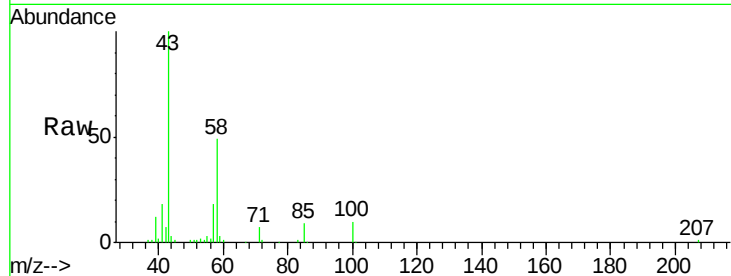
#59
2-Hexanone
Concen: 24.361 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 73017
Ion Ratio Lower Upper
43 100
58 49.4 25.0 75.0

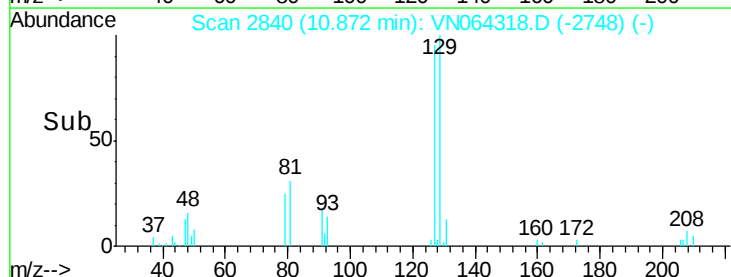
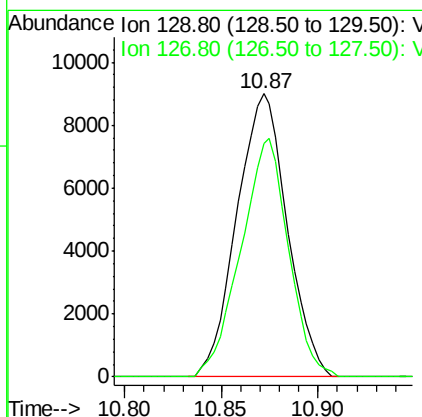
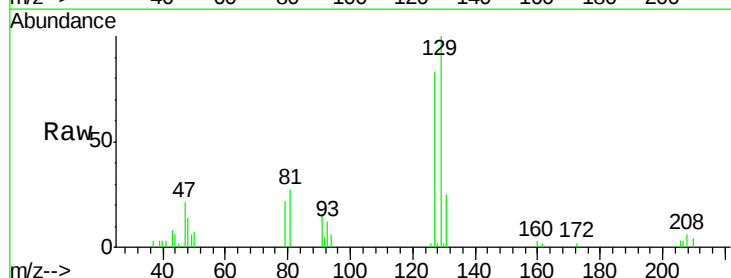
Manual Integrations
APPROVED

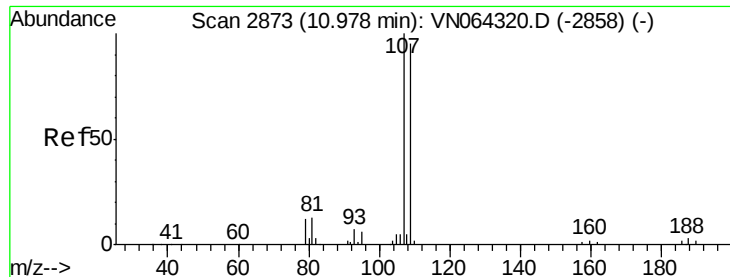
MMDadoda
10/28/2020 12:35:20 PM



#60
Dibromochloromethane
Concen: 4.252 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 129 Resp: 16294
Ion Ratio Lower Upper
129 100
127 79.7 38.5 115.3





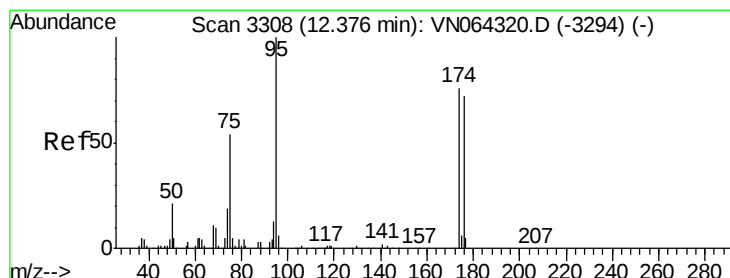
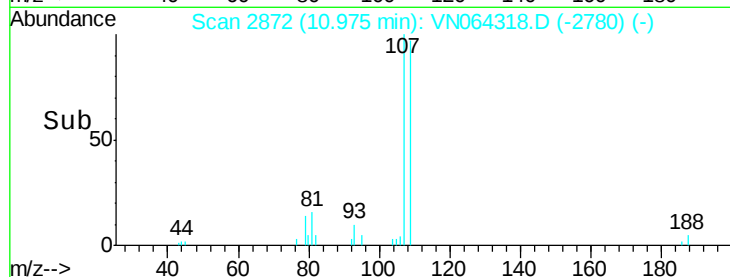
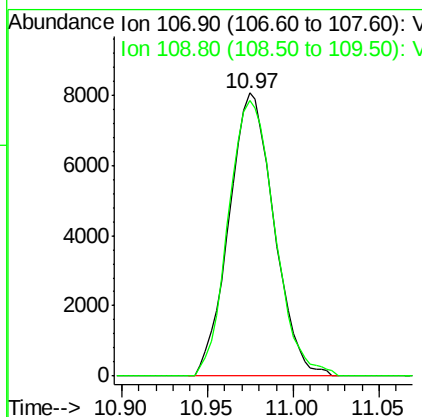
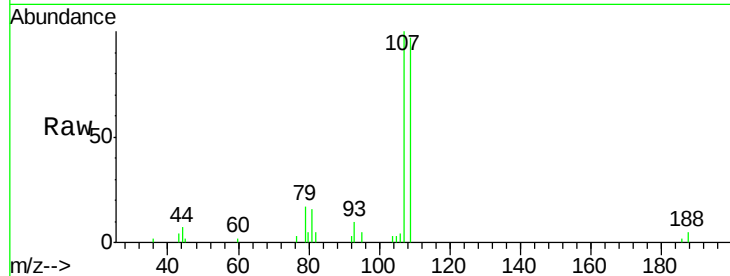
#61
 1,2-Dibromoethane
 Concen: 4.675 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.9	75.8	113.8

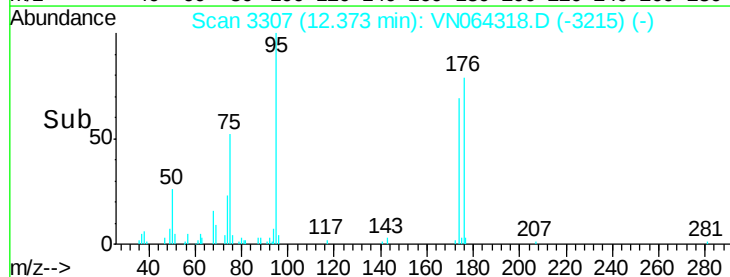
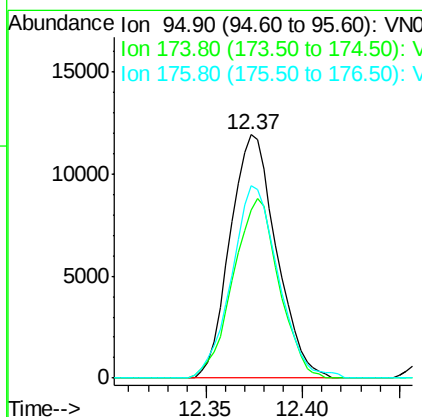
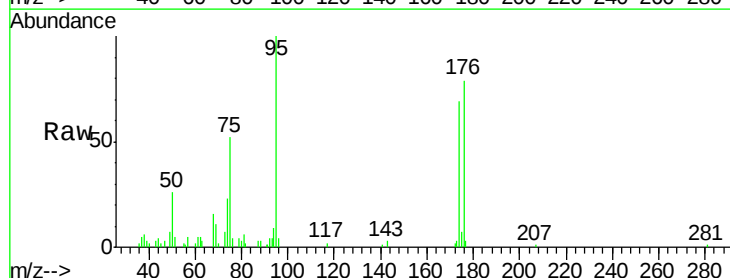
Manual Integrations
 APPROVED

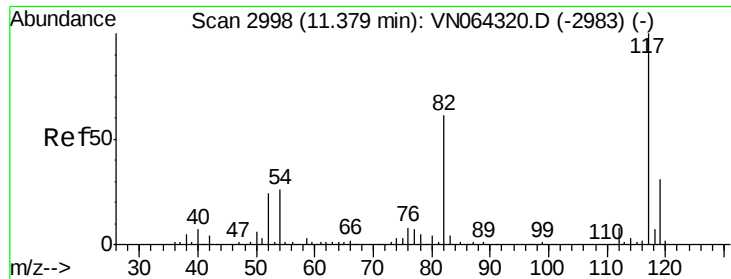
MMDadoda
 10/28/2020 12:35:20 PM



#62
 4-Bromofluorobenzene
 Concen: 4.603 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	147.4
176	79.4	0.0	143.6





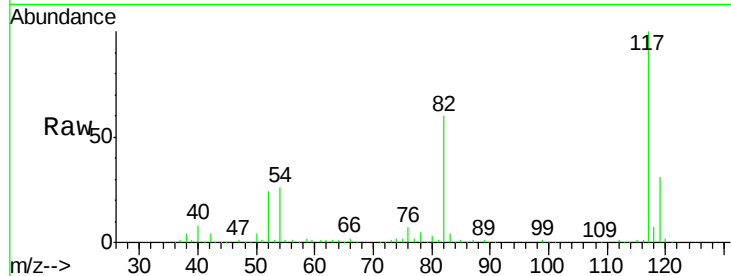
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	48.8	73.2
119	30.9	25.1	37.7

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM

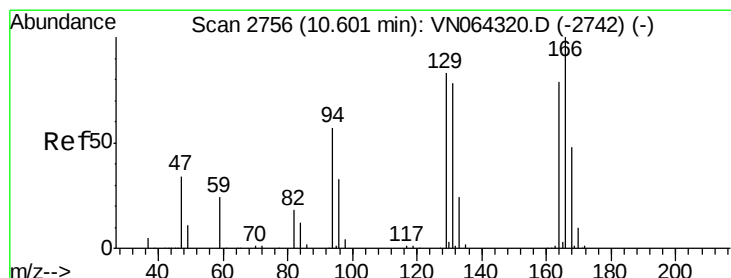
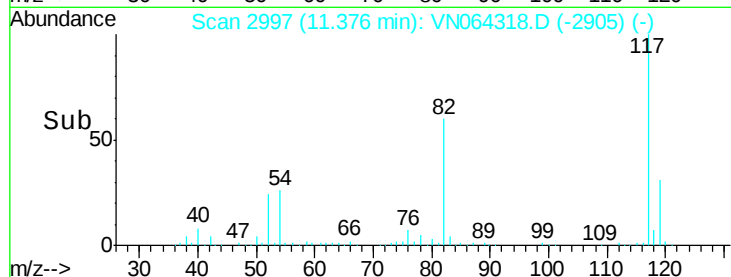
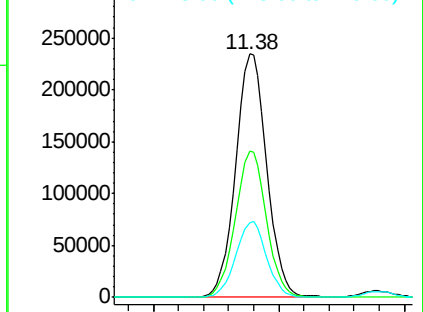


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.290 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.4	100.7	151.1
129	96.9	83.7	125.5
131	90.9	78.2	117.2

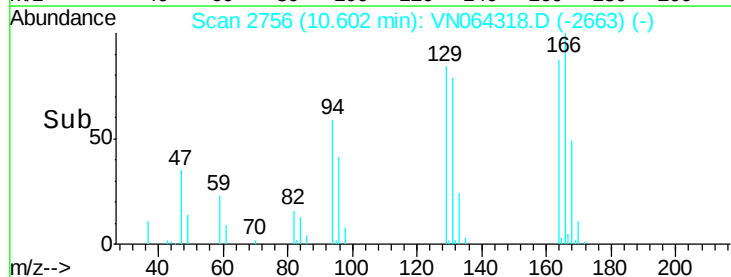
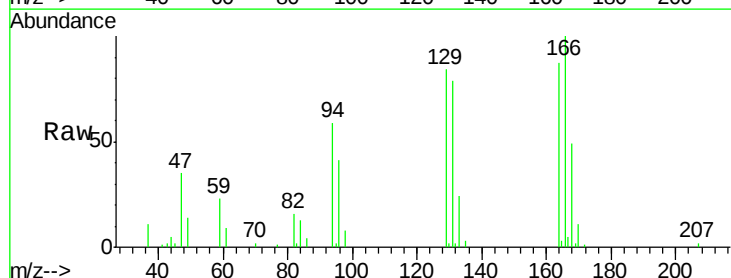
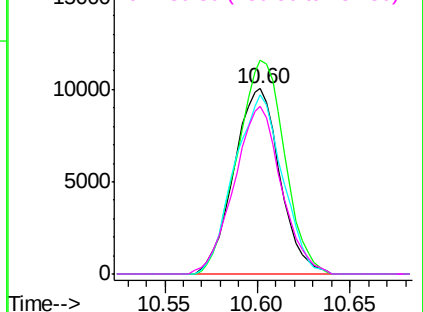
Abundance

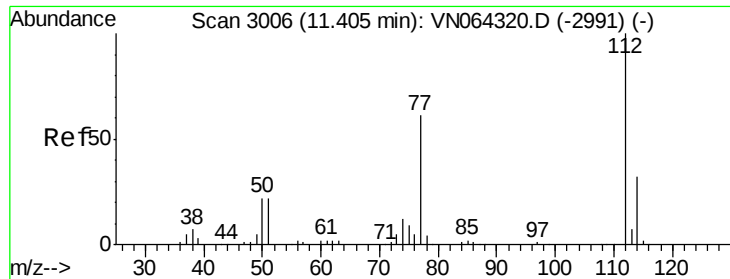
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





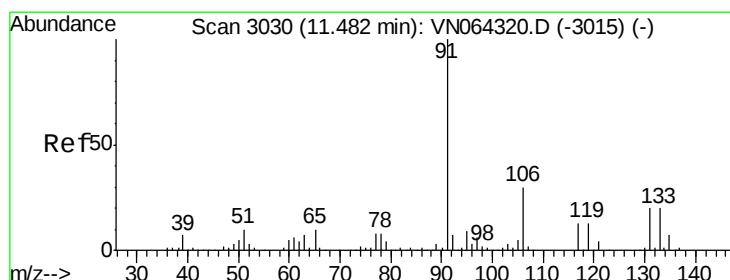
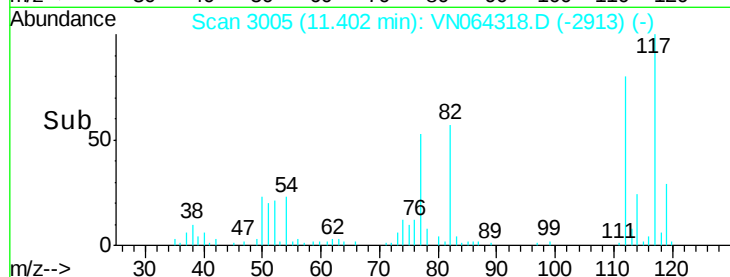
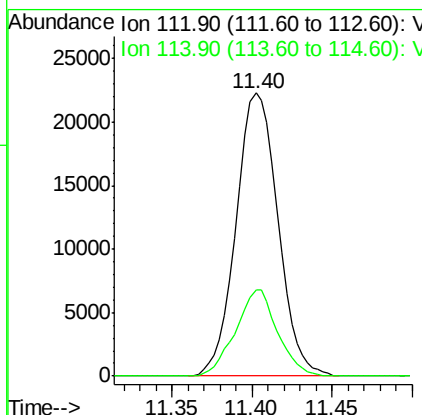
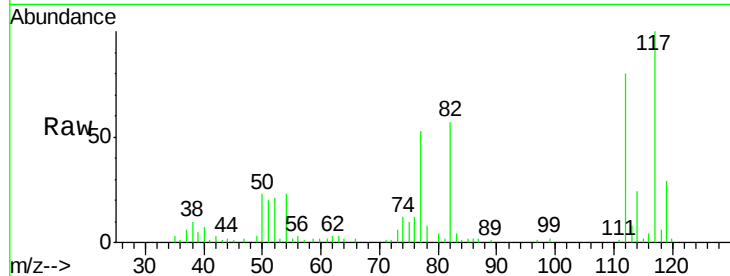
#65
Chlorobenzene
Concen: 4.770 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 39766
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.0

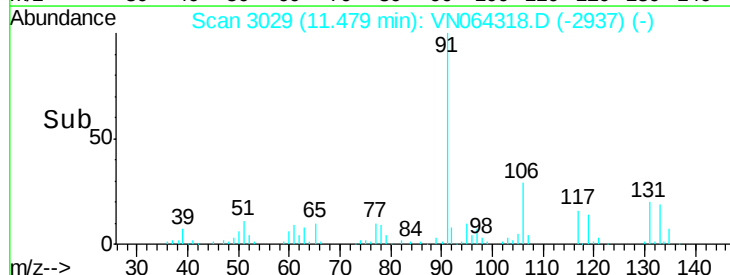
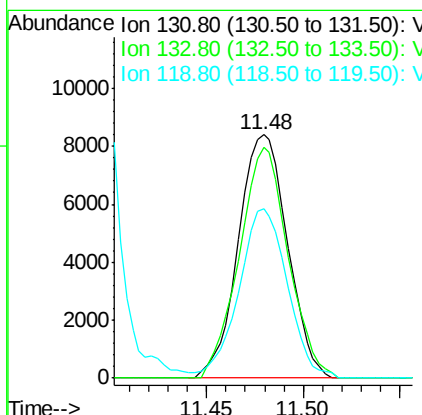
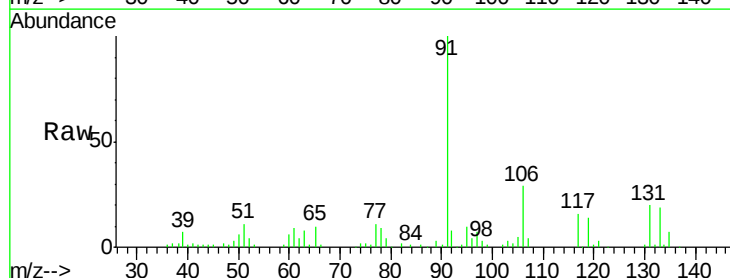
Manual Integrations
APPROVED

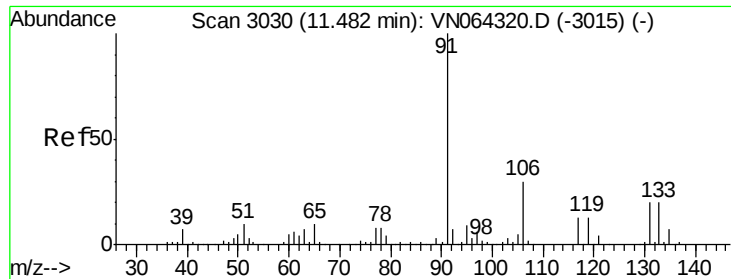
MMDadoda
10/28/2020 12:35:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.482 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion:131 Resp: 14835
Ion Ratio Lower Upper
131 100
133 94.3 49.3 147.8
119 68.9 32.3 96.9





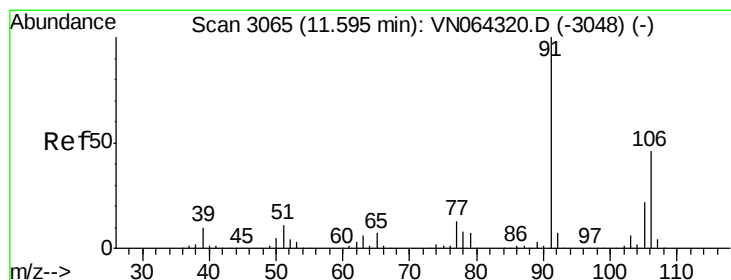
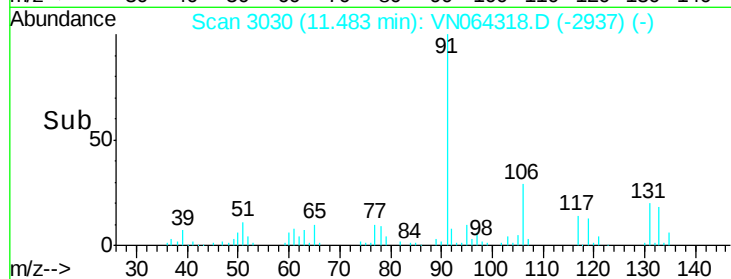
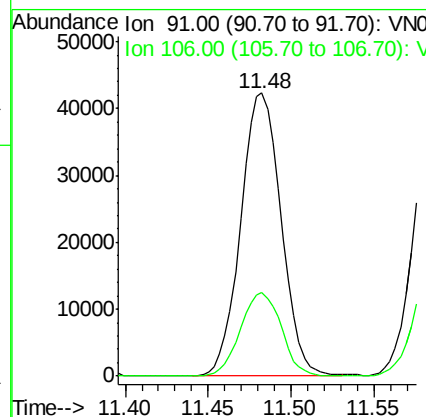
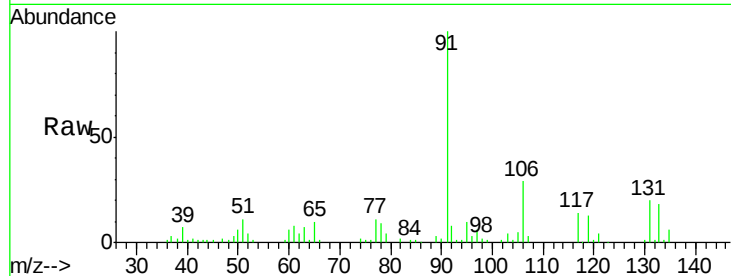
#67
Ethyl Benzene
Concen: 4.682 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 71888
Ion Ratio Lower Upper
91 100
106 29.5 23.7 35.5

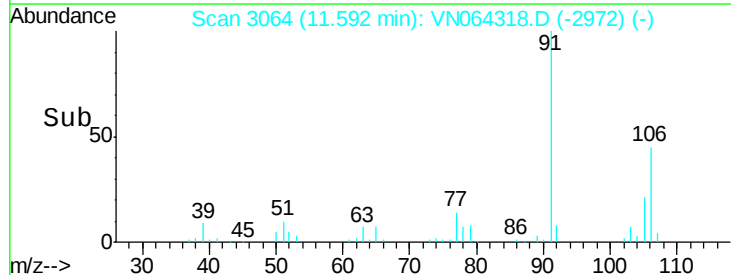
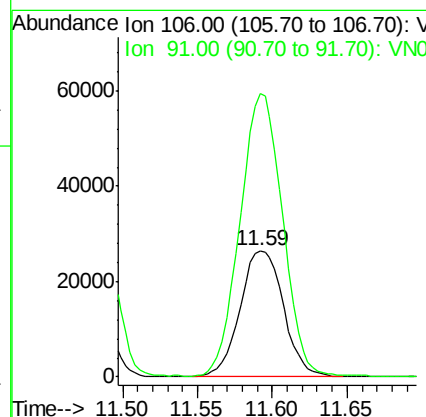
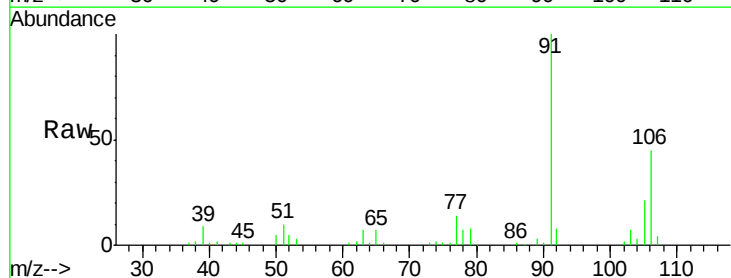
Manual Integrations
APPROVED

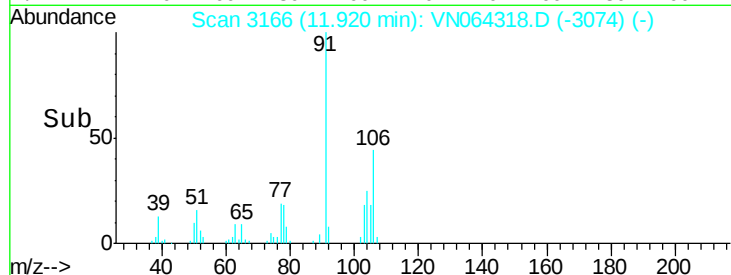
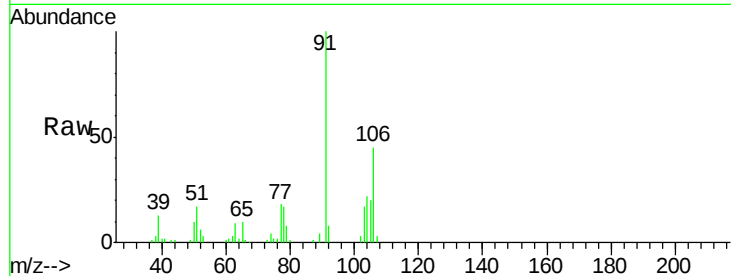
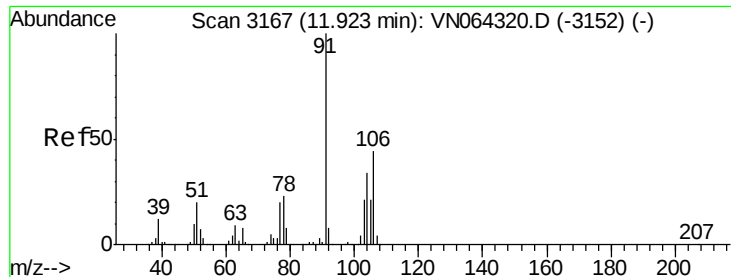
MMDadoda
10/28/2020 12:35:20 PM



#68
m/p-Xylenes
Concen: 9.371 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 106 Resp: 53344
Ion Ratio Lower Upper
106 100
91 221.3 170.2 255.4





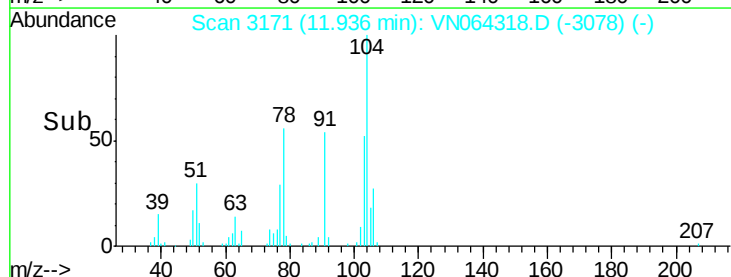
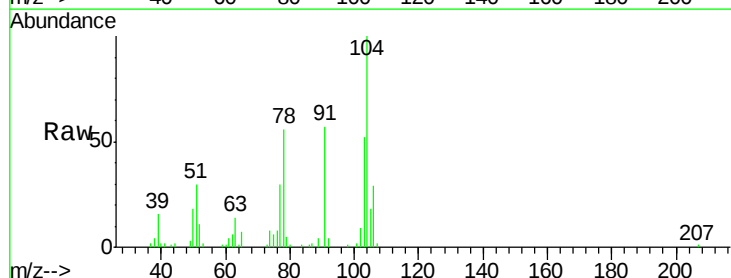
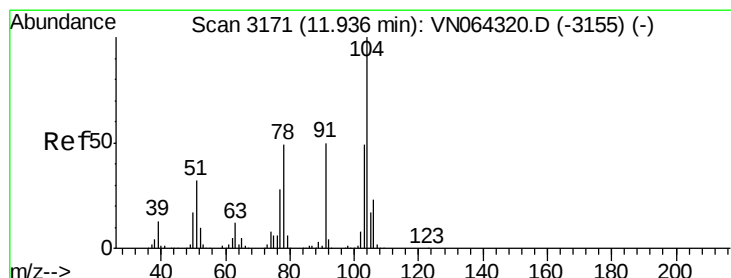
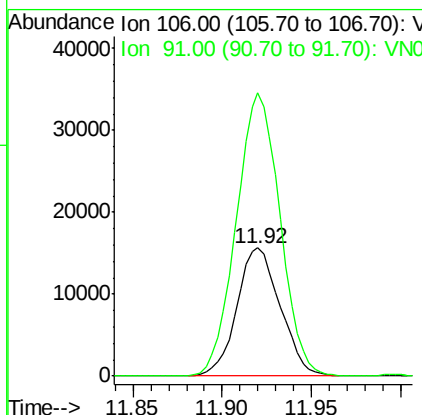
#69
o-Xylene
Concen: 4.831 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tot Ion:106 Resp: 26420
Ion Ratio Lower Upper
106 100
91 223.1 114.5 343.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

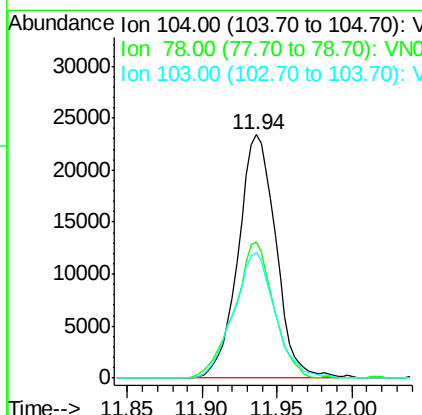
Manual Integrations
APPROVED

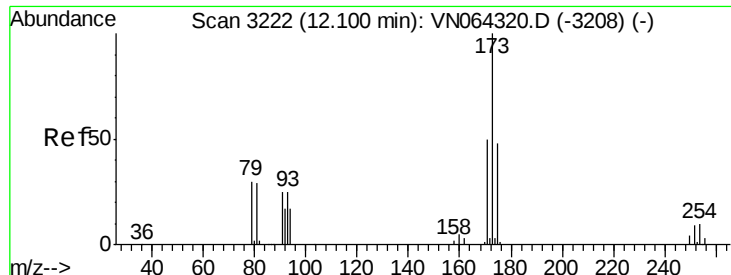
MMDadoda
10/28/2020 12:35:20 PM



#70
Styrene
Concen: 4.451 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion:104 Resp: 40979
Ion Ratio Lower Upper
104 100
78 58.7 43.7 65.5
103 56.7 43.3 64.9





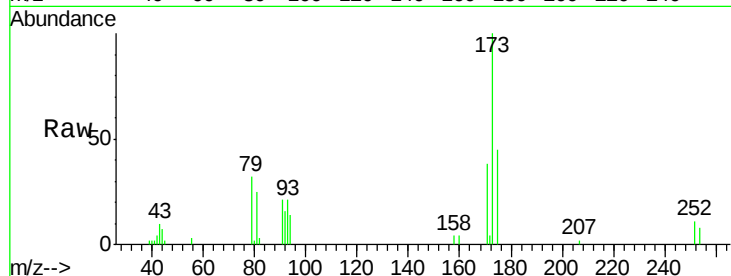
#71
Bromoform
Concen: 4.685 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

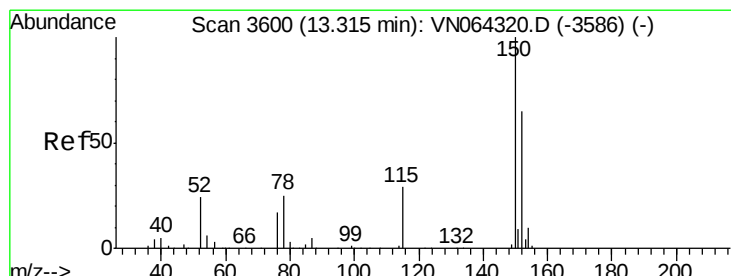
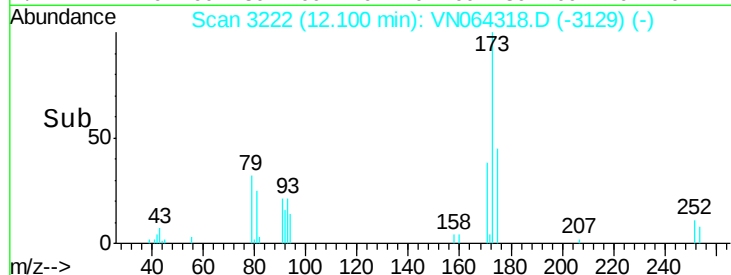
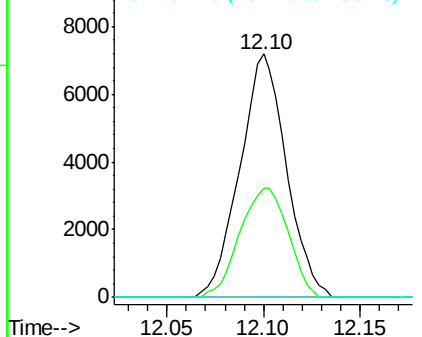
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	25.4	76.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM

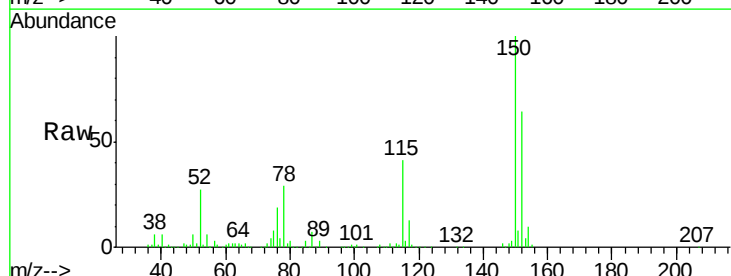


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

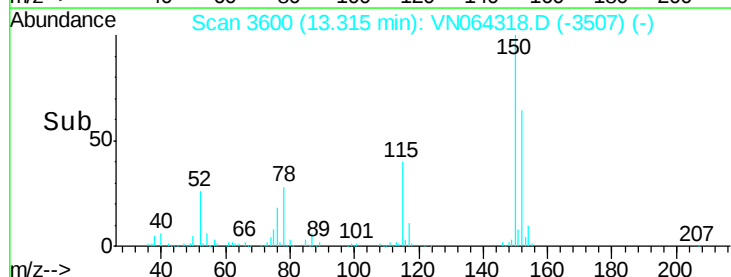
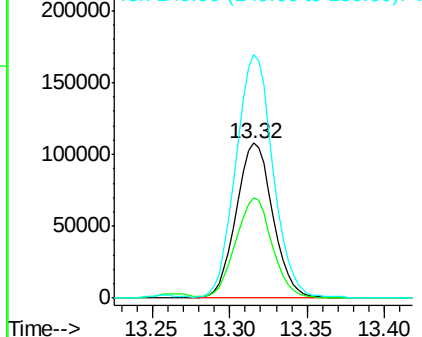


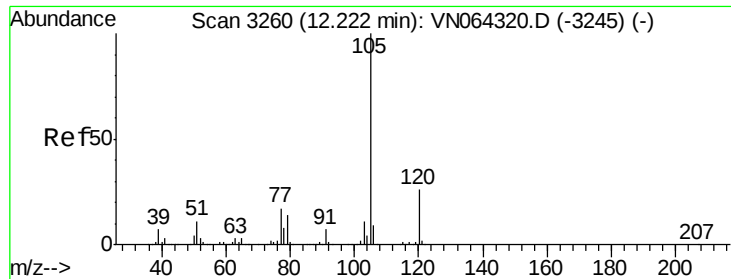
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.5	94.5
150	157.9	0.0	346.2



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





#73

Isopropylbenzene

Concen: 5.008 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 67722

Ion Ratio Lower Upper

105 100

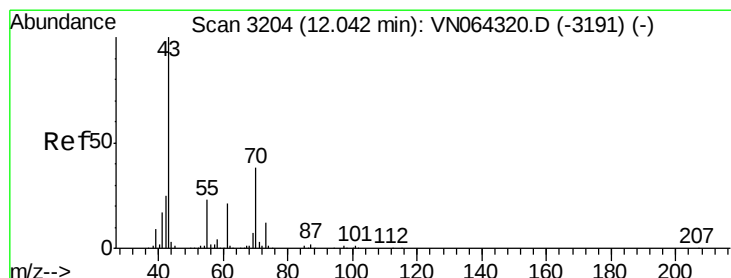
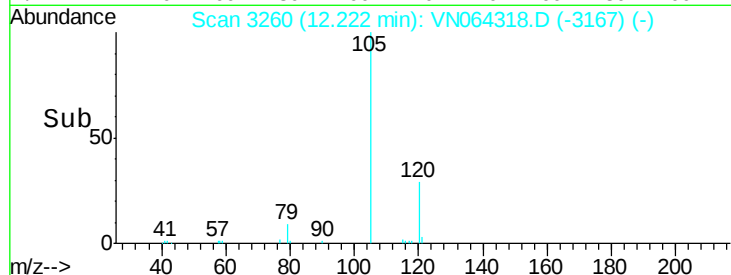
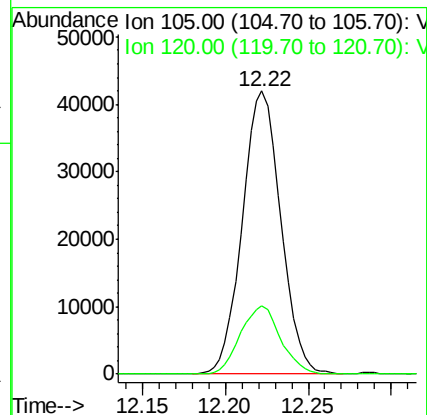
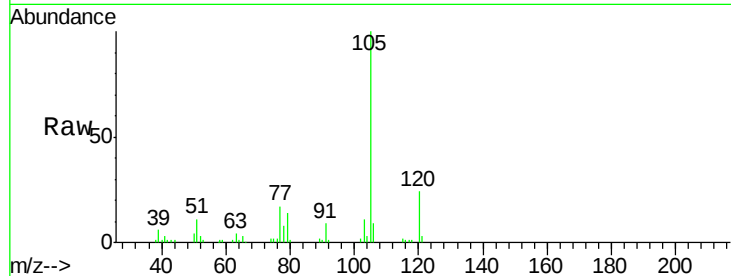
120 25.0 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

10/28/2020 12:35:20 PM



#74

N-ethyl acetate

Concen: 4.718 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion: 43 Resp: 27766

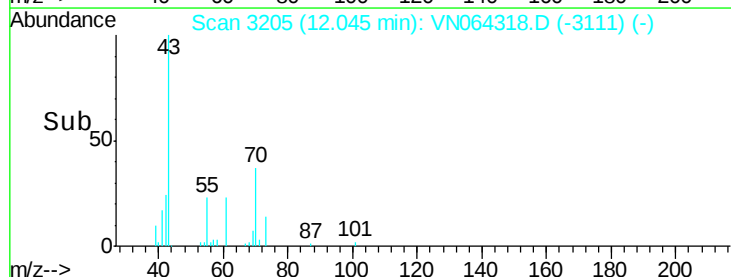
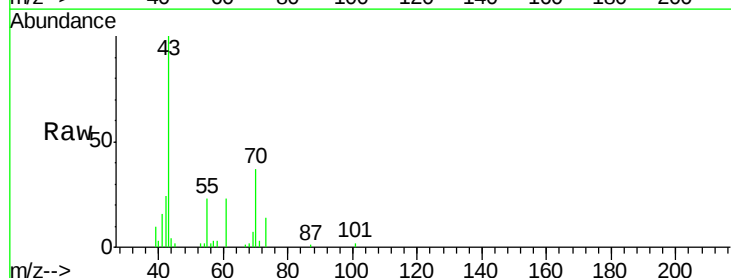
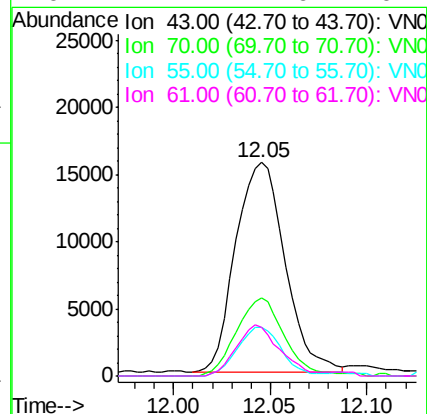
Ion Ratio Lower Upper

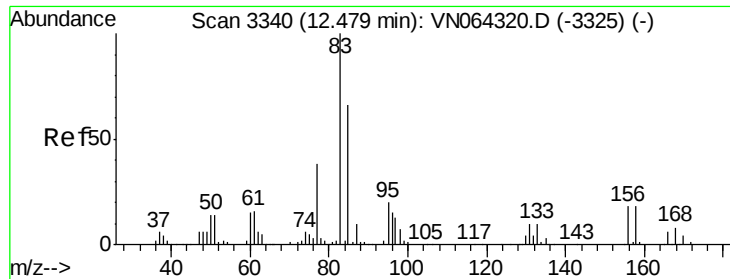
43 100

70 36.3 30.6 45.8

55 20.7 18.2 27.4

61 22.4 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.453 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

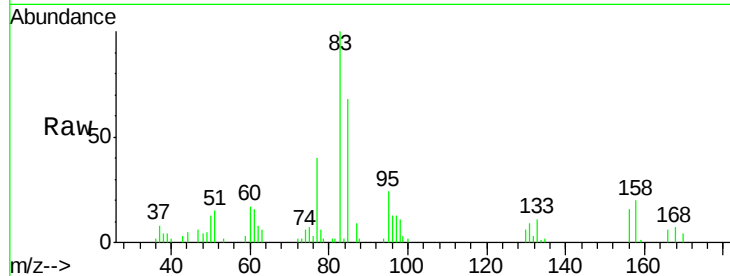
ClientSampleId :

VSTDIC005

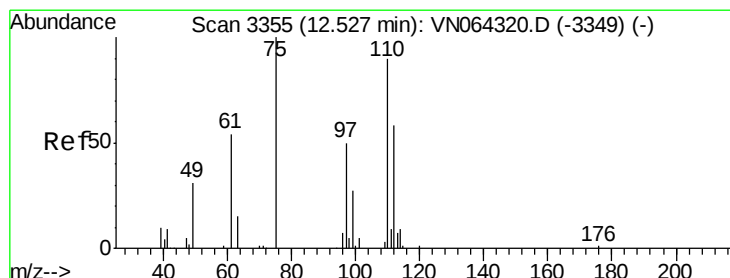
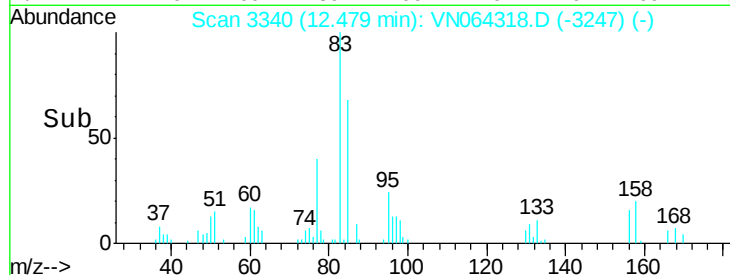
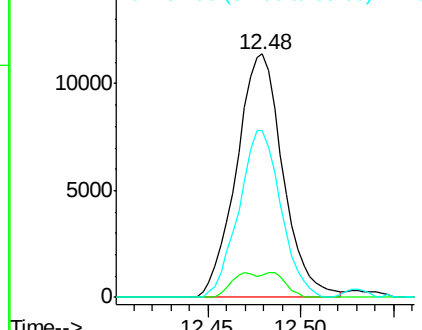
Tot Ion	83	Resp	19836
Ion Ratio	100	Lower	Upper
83	100		
131	5.6	5.4	16.2
85	62.1	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064318.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 5.086 ug/l m

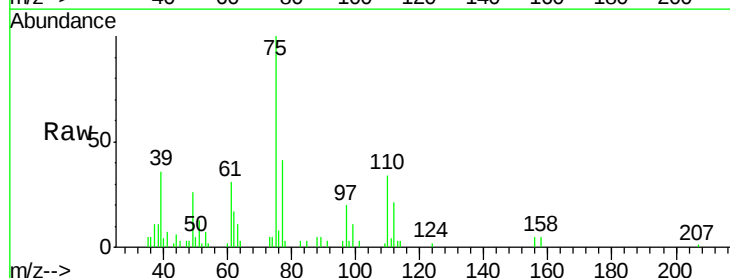
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

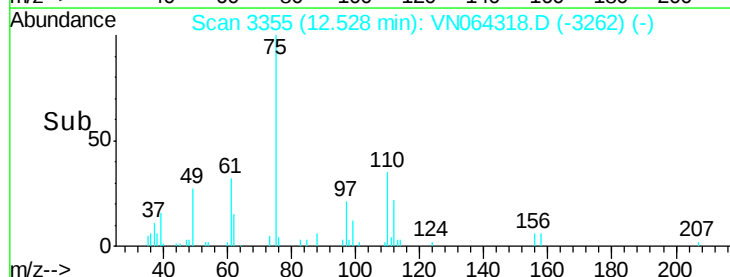
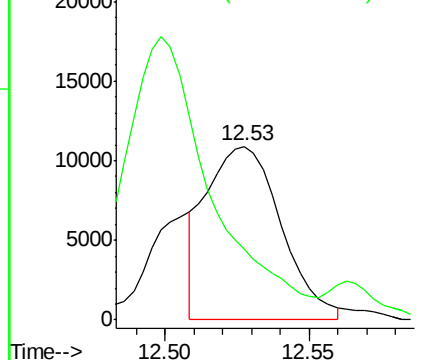
Lab File: VN064318.D

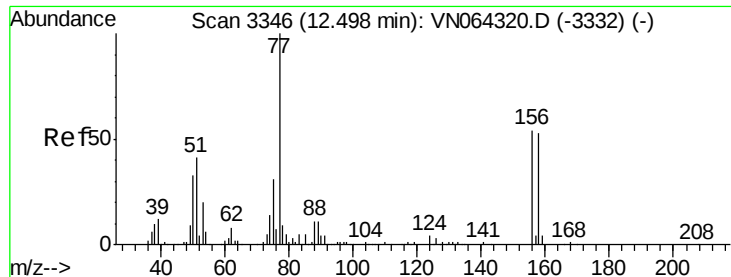
Acq: 27 Oct 2020 10:29

Tgt Ion	75	Resp	19705
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064318.D (-3262) (-)





#77

Bromobenzene

Concen: 5.188 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

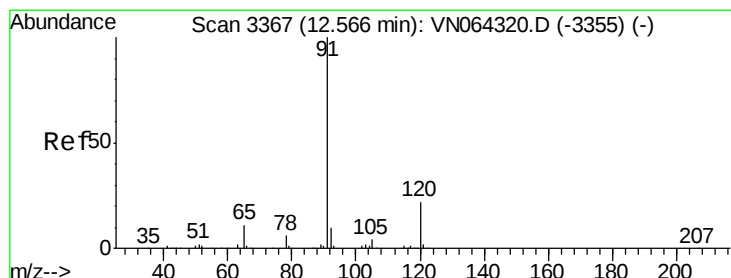
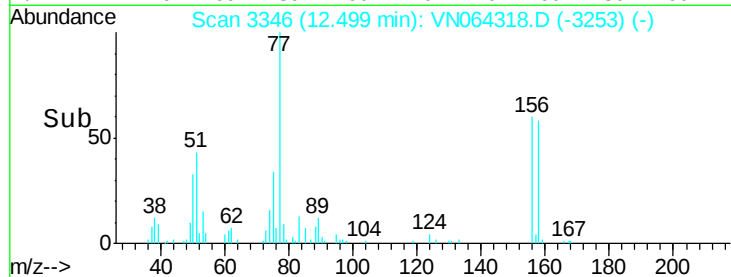
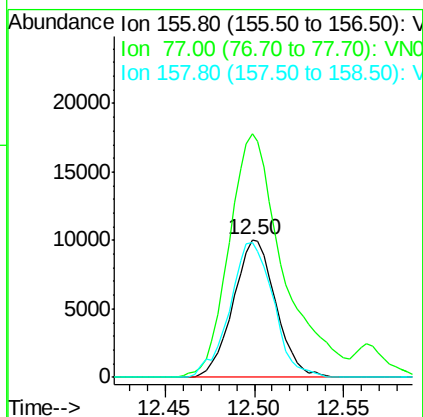
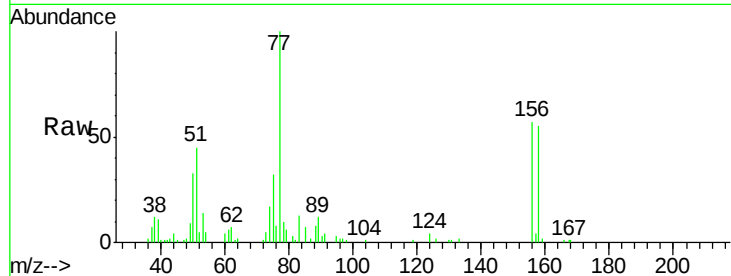
ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 16687
 Ion Ratio Lower Upper
 156 100
 77 225.2 111.9 335.7
 158 100.6 49.0 147.0

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:20 PM



#78

n-propylbenzene

Concen: 4.907 ug/l

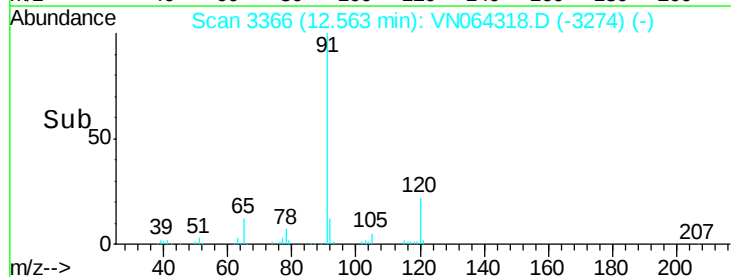
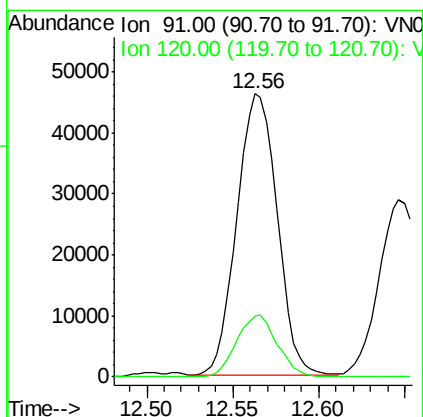
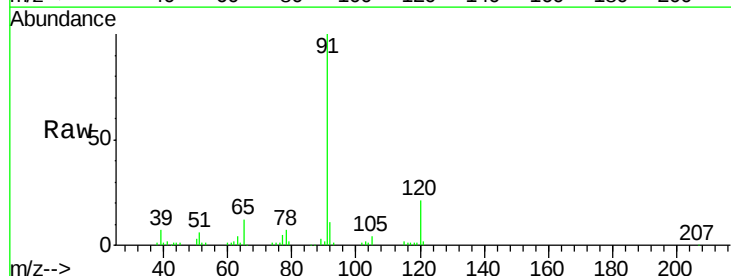
RT: 12.56 min Scan# 3366

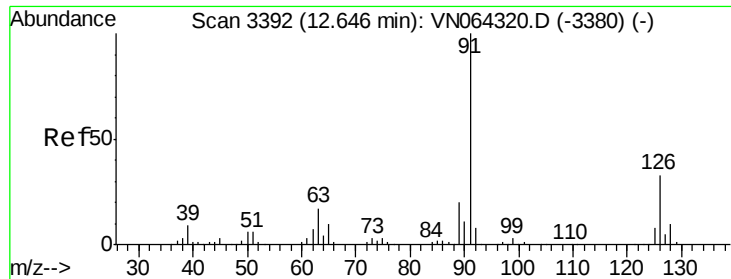
Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion: 91 Resp: 75072
 Ion Ratio Lower Upper
 91 100
 120 22.1 11.2 33.5





#79

2-Chlorotoluene

Concen: 5.182 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48714

Ion Ratio Lower Upper

91 100

126 30.9

16.2

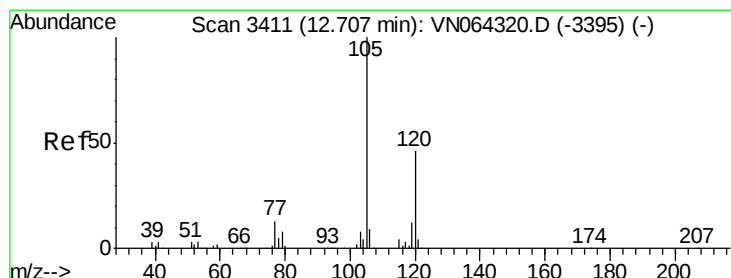
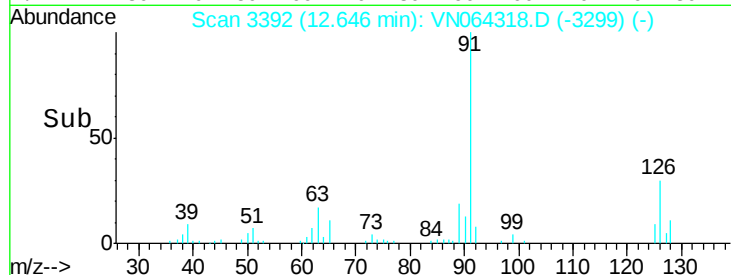
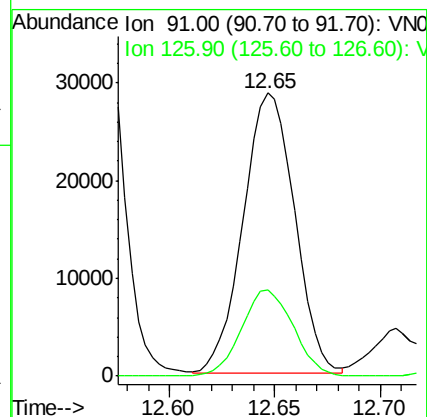
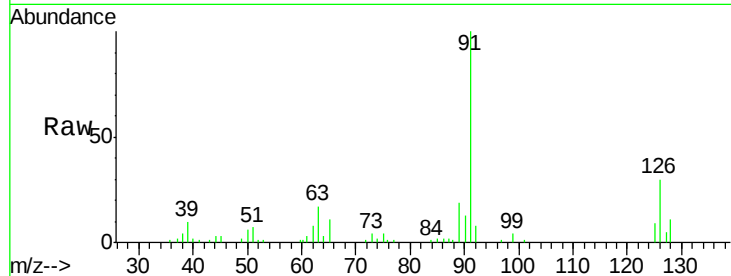
48.5

Manual Integrations

APPROVED

MMDadoda

10/28/2020 12:35:20 PM



#80

1,3,5-Trimethylbenzene

Concen: 4.948 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion: 105 Resp: 56649

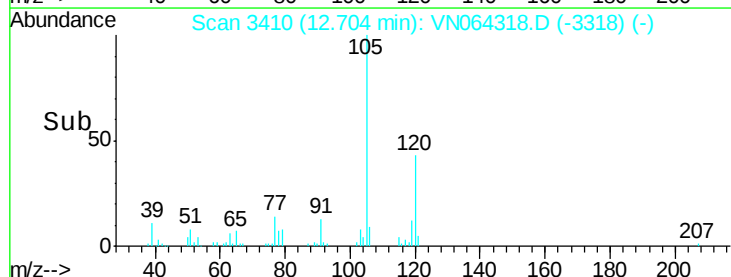
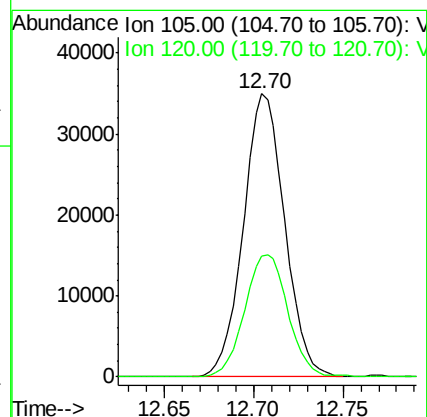
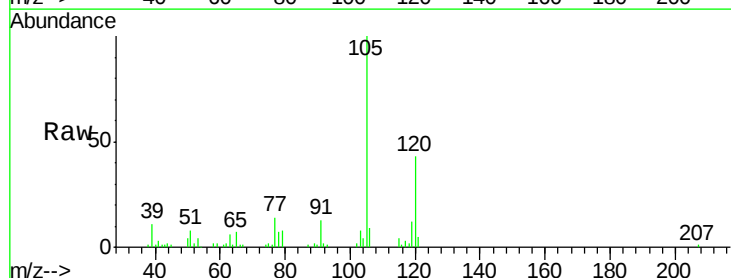
Ion Ratio Lower Upper

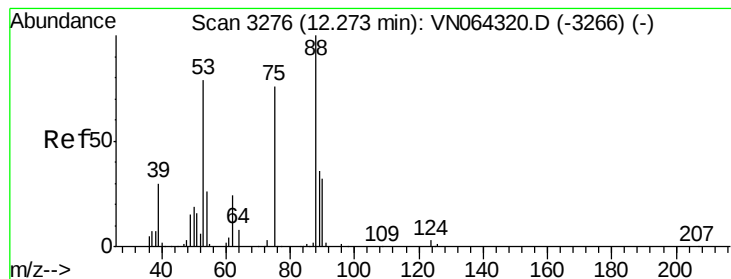
105 100

120 45.1

22.9

68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.248 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

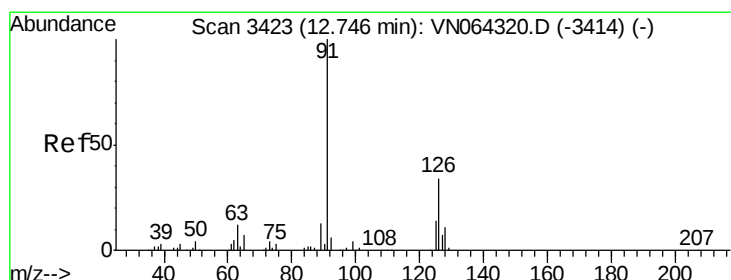
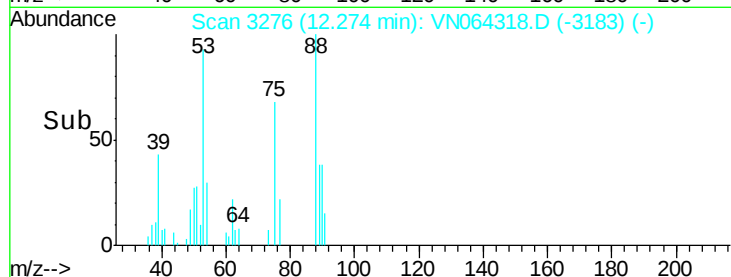
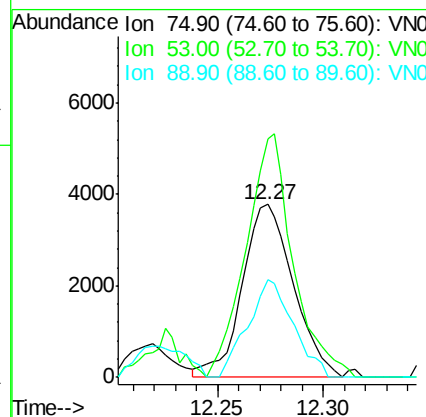
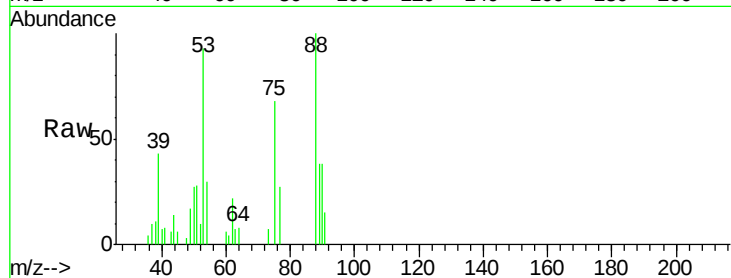
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	129.6	81.8	122.8#
89	49.9	39.9	59.9

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#82

4-Chlorotoluene

Concen: 5.009 ug/l

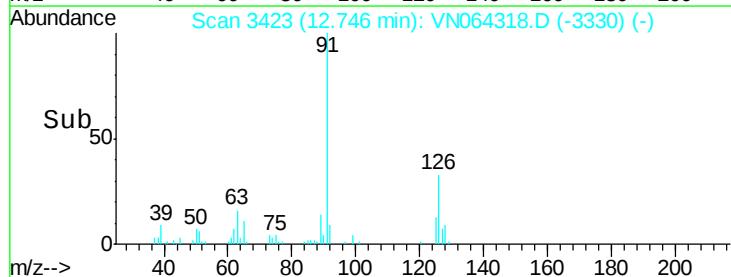
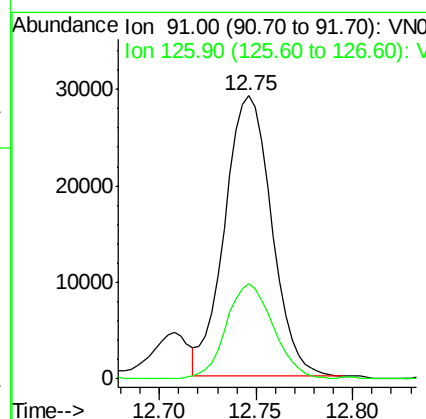
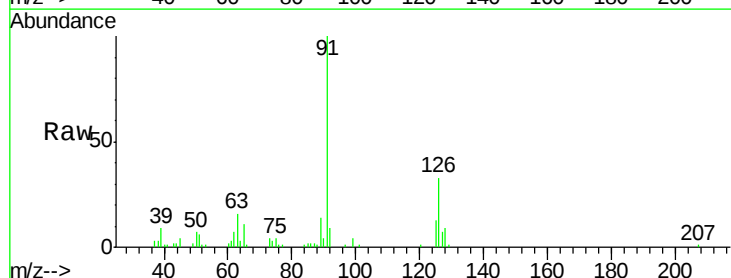
RT: 12.75 min Scan# 3423

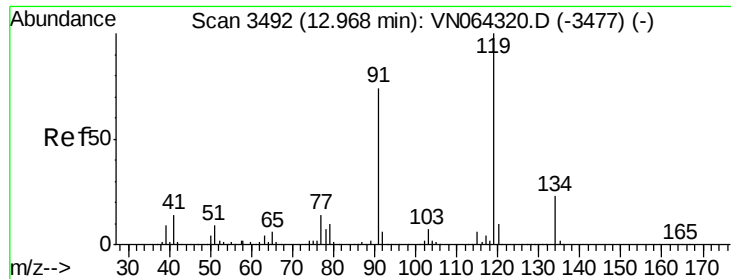
Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	15.8	47.3





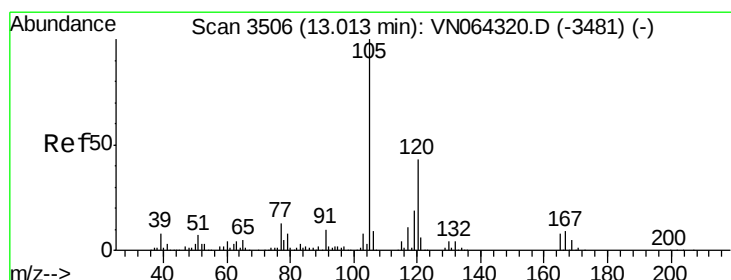
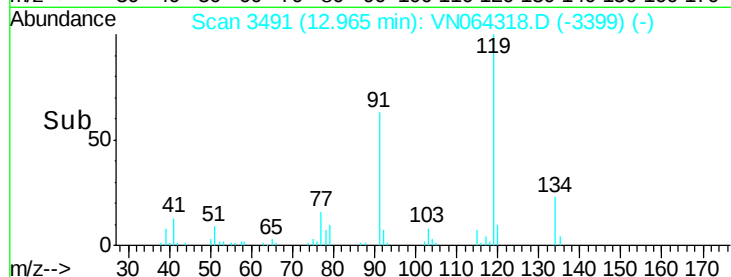
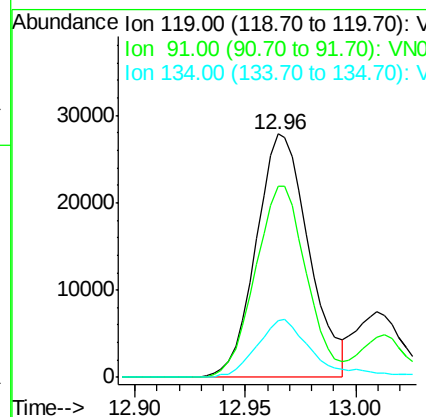
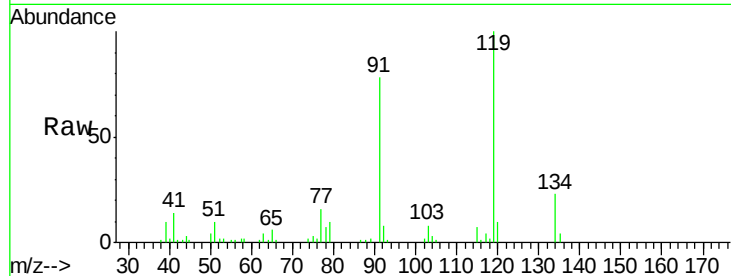
#83
tert-Butylbenzene
Concen: 4.934 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.2	36.4	109.1
134	25.7	12.0	36.1

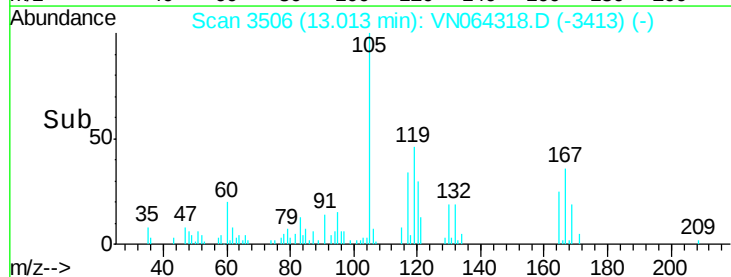
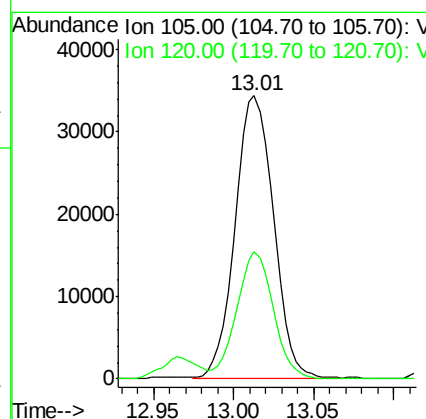
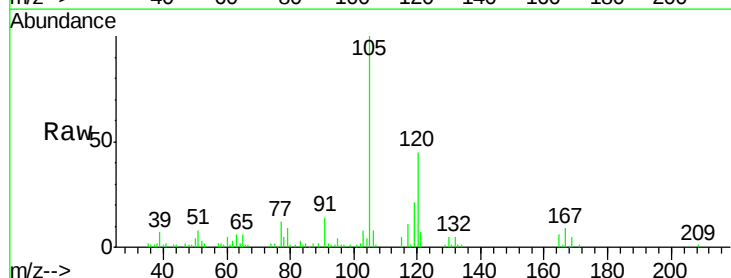
Manual Integrations
APPROVED

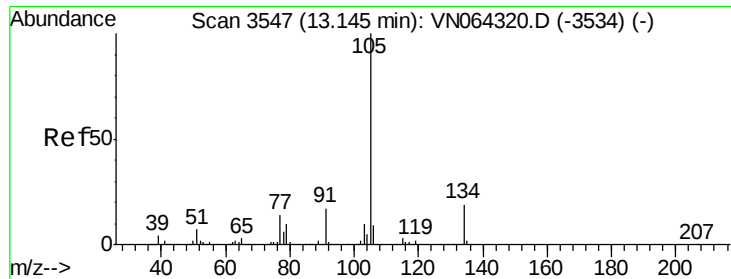
MMDadoda
10/28/2020 12:35:20 PM



#84
1,2,4-Trimethylbenzene
Concen: 4.947 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.3	64.0





#85

sec-Butylbenzene

Concen: 5.046 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 59645

Ion Ratio Lower Upper

105 100

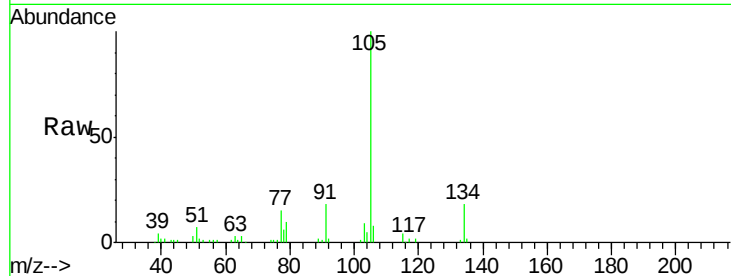
134 18.5 9.6 28.8

Manual Integrations

APPROVED

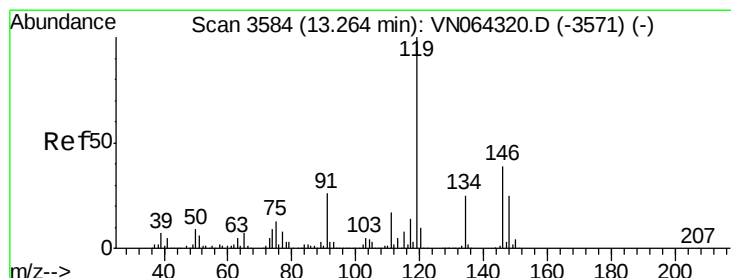
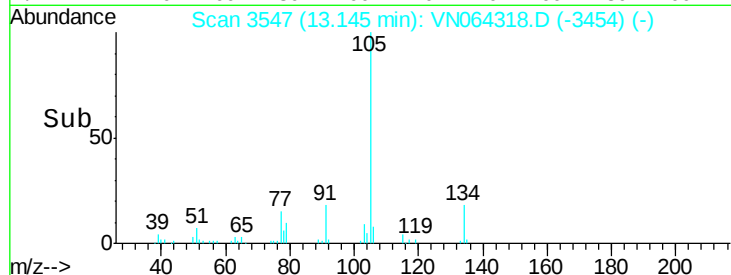
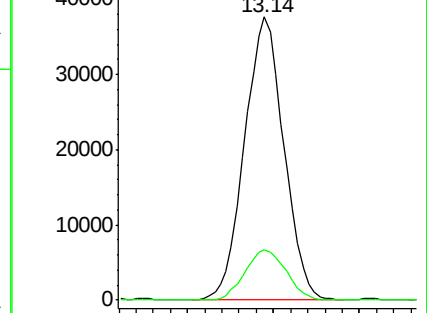
MMDadoda

10/28/2020 12:35:20 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.115 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

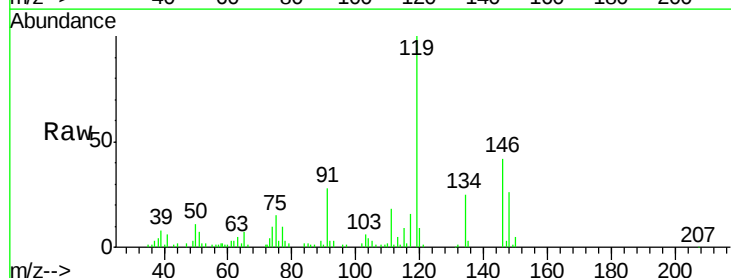
Tgt Ion:119 Resp: 55121

Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.4

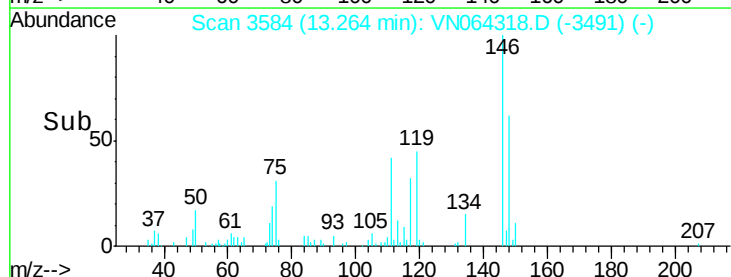
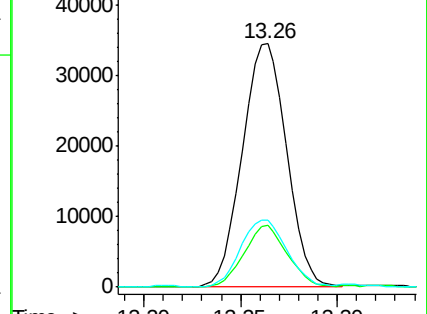
91 28.8 13.0 38.9

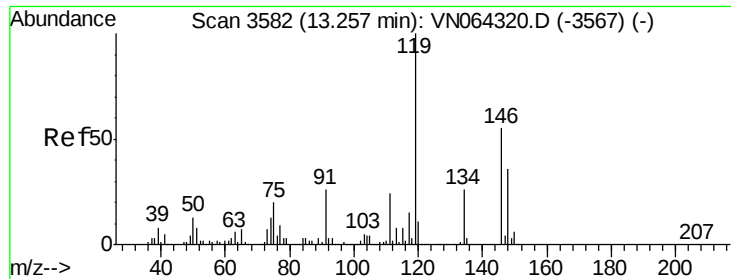


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





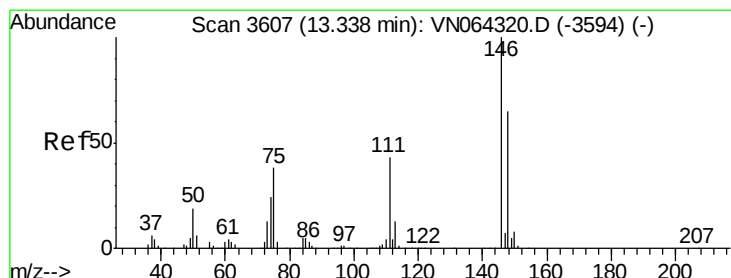
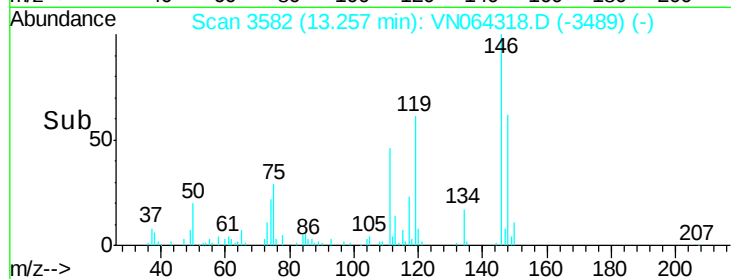
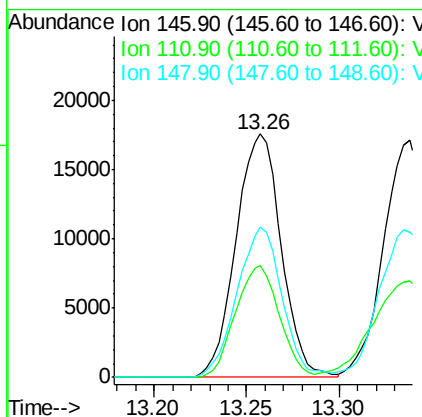
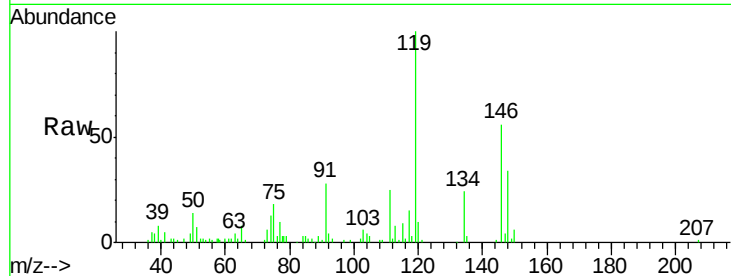
#87
 1,3-Dichlorobenzene
 Concen: 5.223 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.5
148	61.4	32.6	98.0

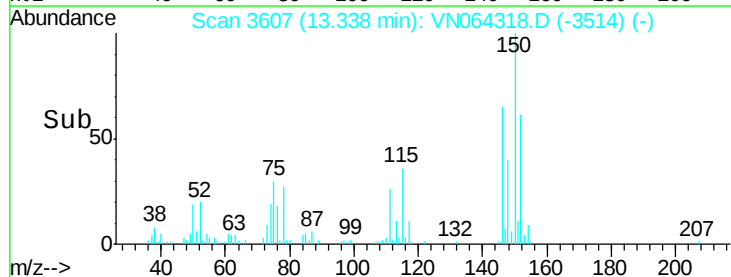
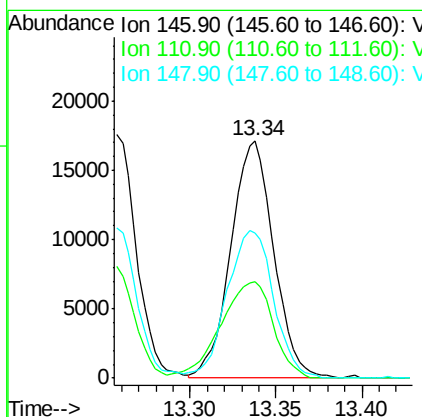
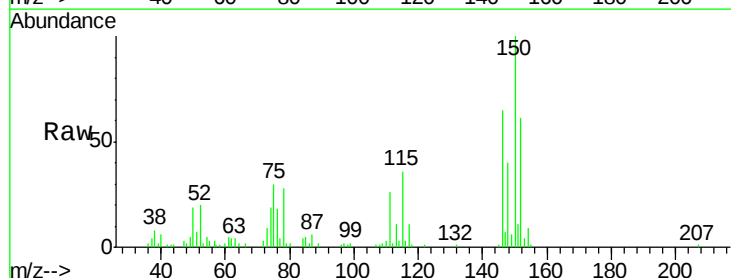
Manual Integrations
 APPROVED

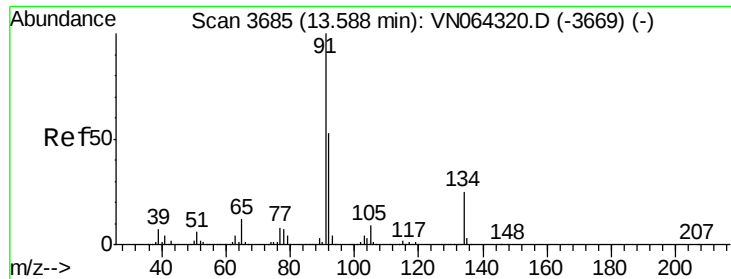
MMDadoda
 10/28/2020 12:35:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.109 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.9	21.8	65.4
148	67.5	31.8	95.3





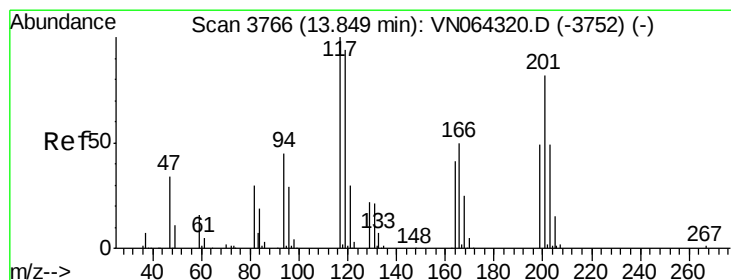
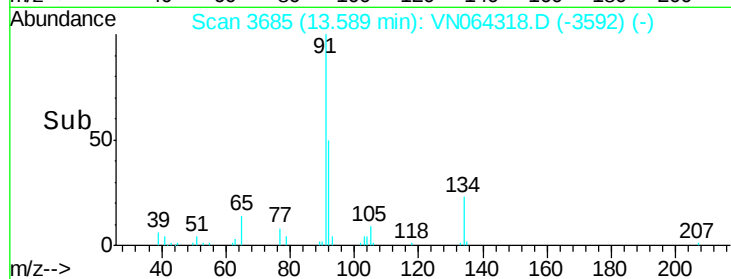
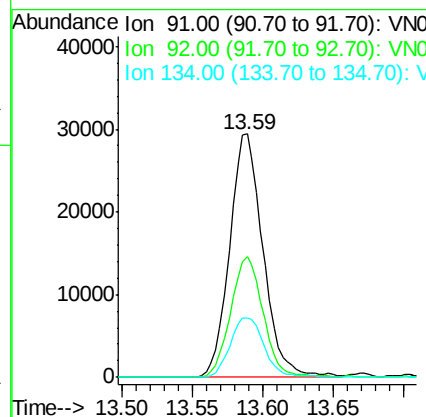
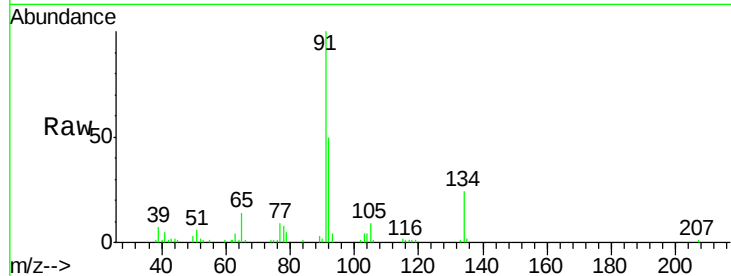
#89
n-Butylbenzene
Concen: 5.077 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.4	26.2	78.5
134	24.5	12.4	37.4

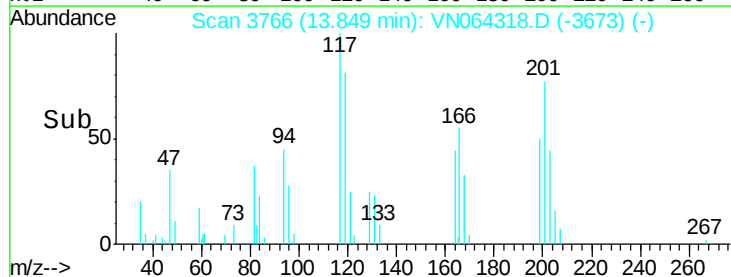
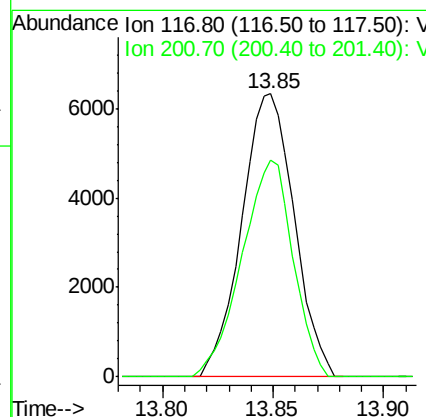
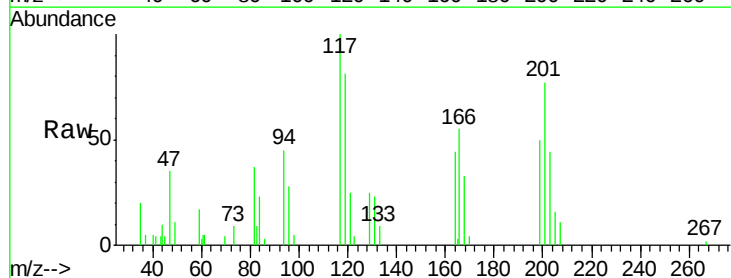
Manual Integrations
APPROVED

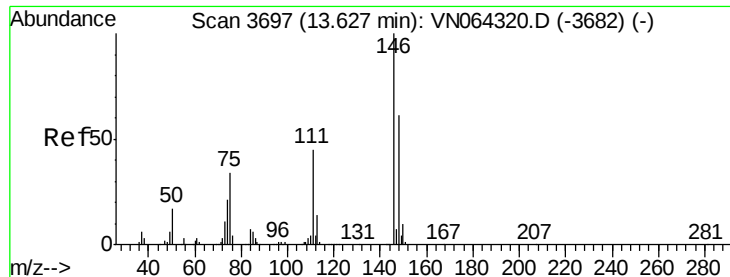
MMDadoda
10/28/2020 12:35:20 PM



#90
Hexachloroethane
Concen: 5.250 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 4.828 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

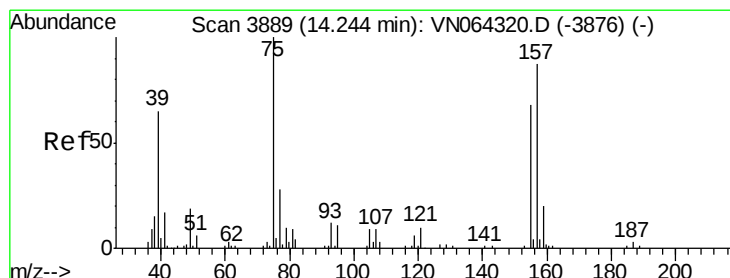
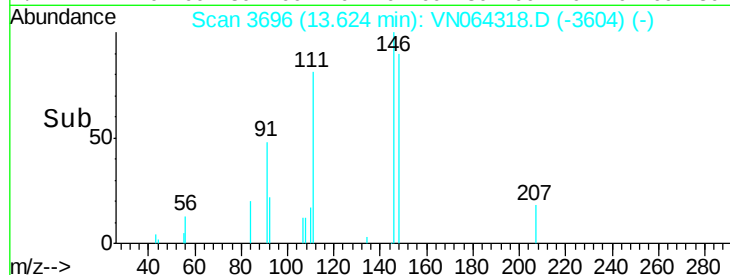
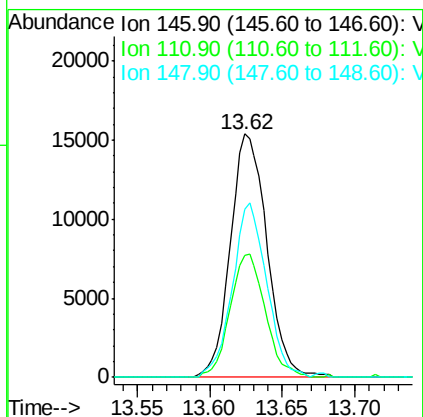
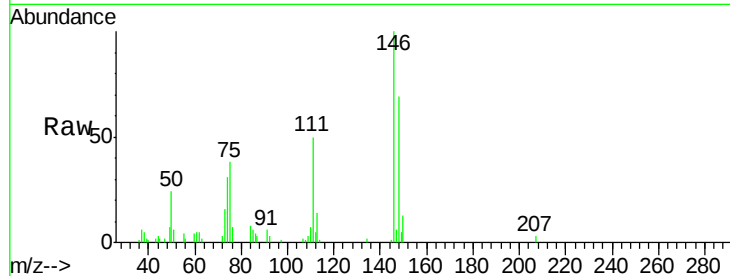
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	26938
Ion Ratio	Lower	Upper	
146	100		
111	48.7	23.0	69.0
148	66.9	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.801 ug/l

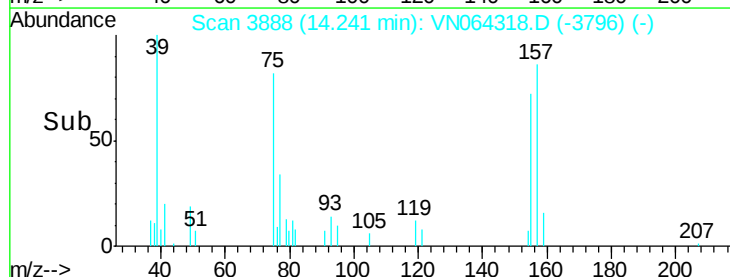
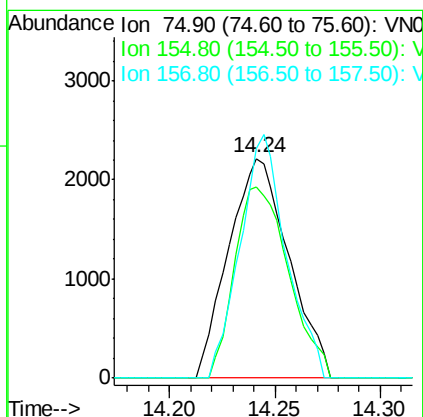
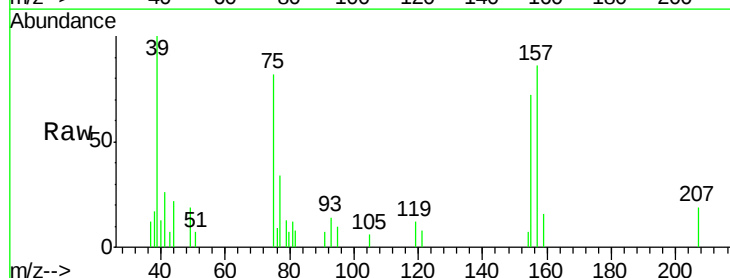
RT: 14.24 min Scan# 3888

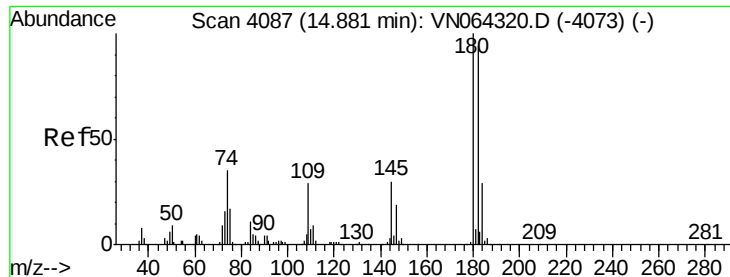
Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion:	75	Resp:	4385
Ion Ratio	Lower	Upper	
75	100		
155	78.4	35.1	105.5
157	85.1	43.2	129.6





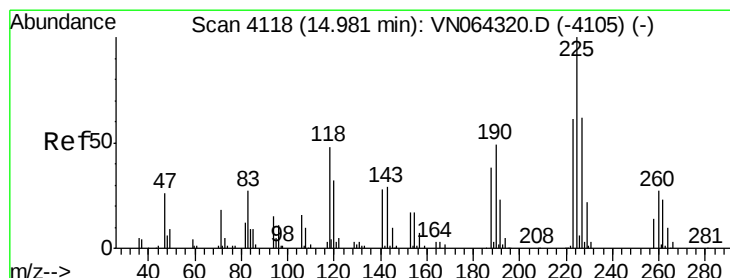
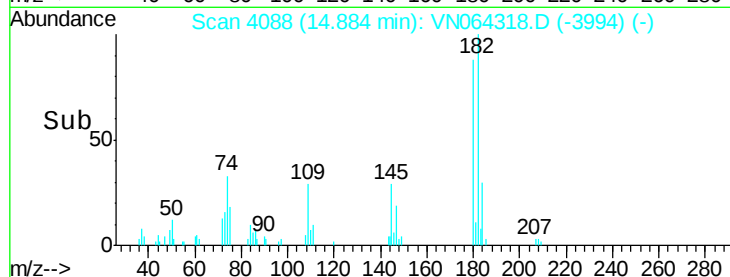
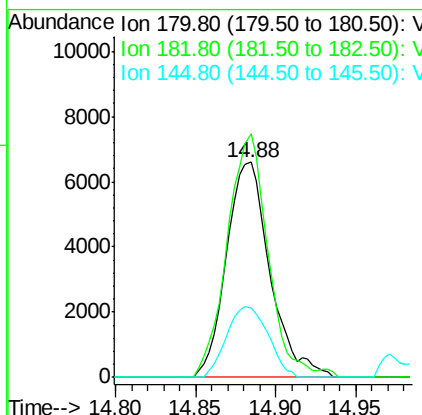
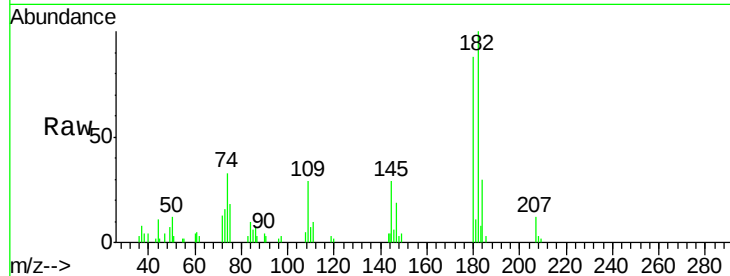
#93
 1,2,4-Trichlorobenzene
 Concen: 3.948 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.1	46.6	139.7
145	31.1	15.3	45.9

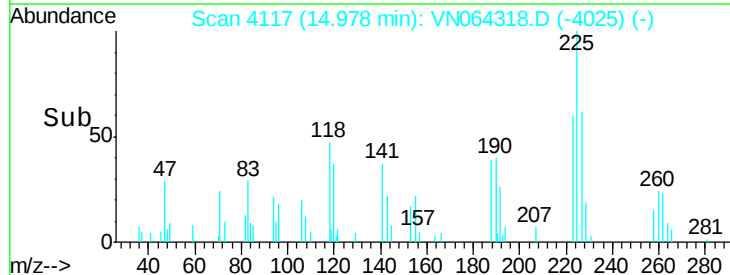
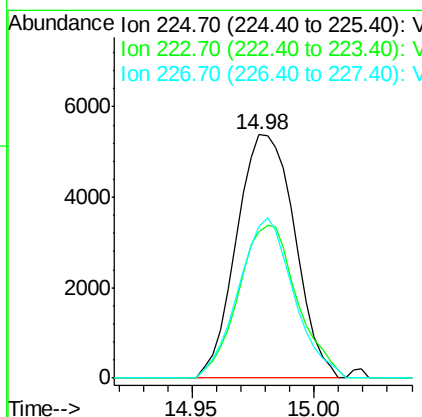
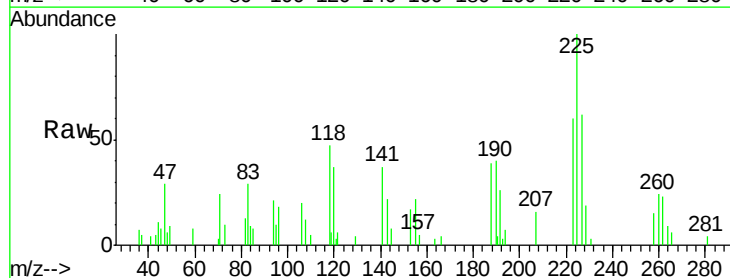
Manual Integrations
 APPROVED

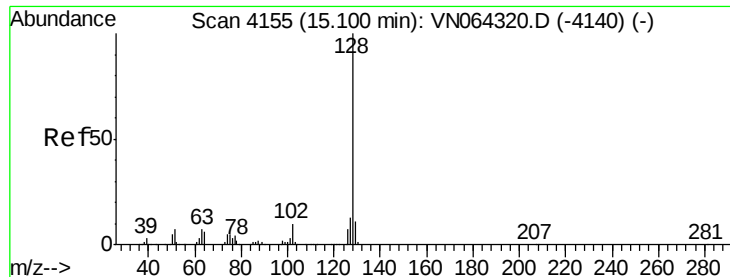
MMDadoda
 10/28/2020 12:35:20 PM



#94
 Hexachlorobutadiene
 Concen: 5.306 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	62.2	32.3	96.9





#95

Naphthalene

Concen: 3.530 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

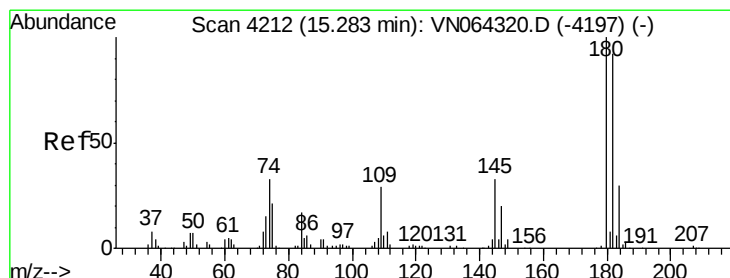
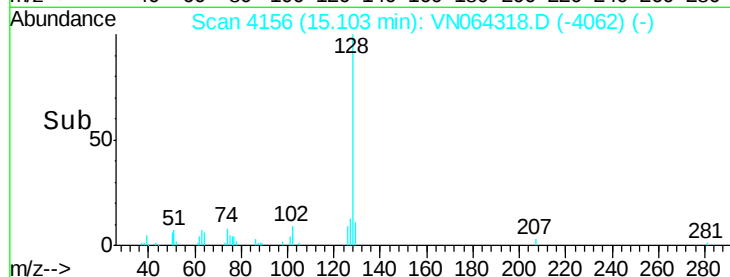
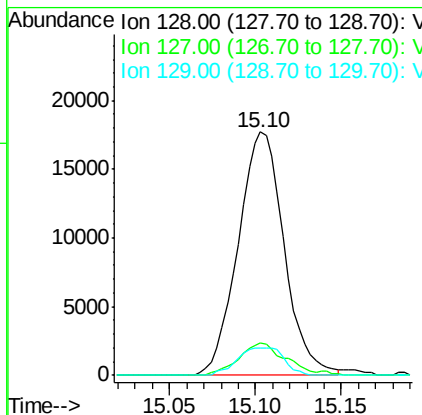
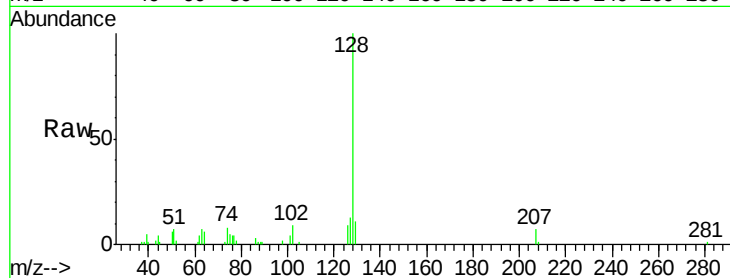
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	32920
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.4	15.6
129	11.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 3.501 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion:	180	Resp:	10770
Ion Ratio	Lower	Upper	
180	100		
182	115.3	46.1	138.3
145	37.1	16.2	48.5

