

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064280.D
 Acq On : 23 Oct 2020 10:22
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:39 PM

Quant Time: Oct 23 12:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41036	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	235614	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	210467	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	113831	33.28	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.93%#
60) 4-Bromofluorobenzene	12.38	95	110673	29.53	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.43%
63) Toluene-d8	10.06	98	284676	29.95	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	41510	15.418	ug/l 100
3) Chloromethane	2.04	50	41880	15.151	ug/l 100
4) Vinyl Chloride	2.16	62	41130	15.150	ug/l 100
5) Bromomethane	2.54	94	28185	16.864	ug/l 100
6) Chloroethane	2.67	64	23409	14.812	ug/l 100
7) Trichlorofluoromethane	2.99	101	70058	16.043	ug/l 100
8) Diethyl Ether	3.37	74	20991	14.204	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	35048	15.192	ug/l 100
10) 1,1-Dichloroethene	3.70	96	34711	15.327	ug/l 100
11) Methyl Iodide	3.91	142	44779	13.839	ug/l 100
12) Methyl Acetate	4.29	43	36923m	15.321	ug/l 100
13) Acrolein	3.57	56	16130	61.805	ug/l 100
14) Acrylonitrile	4.93	53	73214	75.621	ug/l 100
15) Acetone	3.78	58	25361	92.390	ug/l 100
16) Carbon Disulfide	4.01	76	94751	14.732	ug/l 100
17) Allyl chloride	4.28	41	60162	14.407	ug/l 100
18) Methylene Chloride	4.51	84	38740	14.891	ug/l 100
19) trans-1,2-Dichloroethene	4.99	96	37301	15.257	ug/l 100
20) Diisopropyl ether	5.90	45	119934	15.375	ug/l 100
21) 1,1-Dichloroethane	5.80	63	72081	15.177	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	43270	15.174	ug/l 100
23) tert-Butyl Alcohol	4.73	59	33921m	75.040	ug/l 100
24) Methyl tert-Butyl Ether	4.99	73	115636	15.425	ug/l 100
25) Chloroform	7.33	83	77292	15.563	ug/l 100
26) Cyclohexane	7.61	56	54873	14.600	ug/l 100
29) 1,1-Dichloropropene	7.76	75	56981	15.067	ug/l 100
30) 2-Butanone	6.78	43	128455	80.212	ug/l 100
31) 2,2-Dichloropropane	6.78	77	74724	15.468	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	73311	15.134	ug/l 100
33) Carbon Tetrachloride	7.73	117	64171	14.624	ug/l 100
34) Benzene	8.00	78	153814	14.580	ug/l 100
35) Methacrylonitrile	7.13	41	22477	13.195	ug/l 100
36) 1,2-Dichloroethane	8.09	62	71402	16.408	ug/l 100
37) Trichloroethene	8.80	130	41957	14.465	ug/l 100
38) Methylcyclohexane	9.05	83	50524	14.014	ug/l 100
39) 1,2-Dichloropropane	9.08	63	43225	15.261	ug/l 100
40) Dibromomethane	9.17	93	30696	15.478	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064280.D
 Acq On : 23 Oct 2020 10:22
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:39 PM

Quant Time: Oct 23 12:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	62360	14.687	ug/l	100
42) Vinyl Acetate	5.84	43	555084	74.540	ug/l	100
43) Ethyl Acetate	6.88	43	47716	14.024	ug/l	100
44) Isopropyl Acetate	8.12	43	92810	14.228	ug/l	100
45) 1,4-Dioxane	9.17	88	10421	270.474	ug/l	100
46) Methyl methacrylate	9.17	41	47993	15.329	ug/l	100
47) n-amyl Acetate	12.05	43	76541	13.224	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	70925	14.775	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	70859	14.337	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	38977	14.838	ug/l	100
51) Ethyl methacrylate	10.40	69	54539	13.299	ug/l	100
52) 1,3-Dichloropropane	10.68	76	67059	14.766	ug/l	100
53) Dibromochloromethane	10.87	129	43411	13.314	ug/l	100
54) 1,2-Dibromoethane	10.98	107	39758	14.301	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	71379	38.150	ug/l	100
56) Bromoform	12.10	173	31062	13.600	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	260259	74.961	ug/l	100
59) 2-Hexanone	10.72	43	192267	74.550	ug/l	100
61) Tetrachloroethene	10.60	164	41777	15.143	ug/l	100
62) Toluene	10.13	91	170147	14.631	ug/l	100
64) Chlorobenzene	11.41	112	104736	14.491	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	42092	14.775	ug/l	100
66) Ethyl Benzene	11.48	91	193928	14.549	ug/l	100
67) m/p-Xylenes	11.60	106	142544	28.706	ug/l	100
68) o-Xylene	11.92	106	67108	13.933	ug/l	100
69) Styrene	11.94	104	112160	13.809	ug/l	100
70) Isopropylbenzene	12.22	105	181046	14.261	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	49364	14.156	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	49497m	13.473	ug/l	100
73) Bromobenzene	12.50	156	43556	14.282	ug/l	100
74) n-propylbenzene	12.57	91	210179	14.456	ug/l	100
75) 2-Chlorotoluene	12.65	91	126641	14.112	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	153900	14.223	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	20330	14.242	ug/l	100
78) 4-Chlorotoluene	12.75	91	133913	14.210	ug/l	100
79) tert-butylbenzene	12.97	119	127847	14.434	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	153251	14.022	ug/l	100
81) sec-Butylbenzene	13.14	105	159456	13.938	ug/l	100
82) p-Isopropyltoluene	13.26	119	149602	14.093	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	77061	13.995	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	76080	13.886	ug/l	100
85) n-Butylbenzene	13.59	91	126151	13.427	ug/l	100
86) Hexachloroethane	13.85	117	24626	13.554	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	74154	13.804	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	12818	14.366	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	41398	13.068	ug/l	100
90) Hexachlorobutadiene	14.98	225	23961	14.614	ug/l	100
91) Naphthalene	15.10	128	120050	12.482	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	39079	12.862	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
Data File : VN064280.D
Acq On : 23 Oct 2020 10:22
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

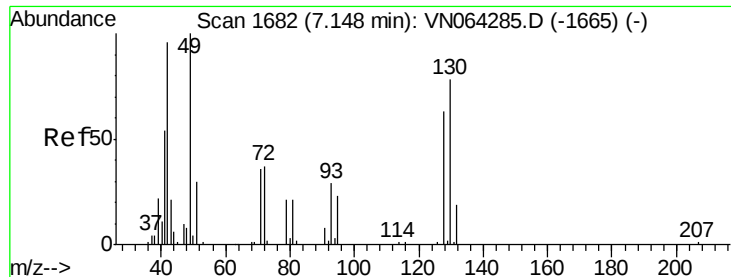
Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM

Quant Time: Oct 23 12:08:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 23 11:22:09 2020
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

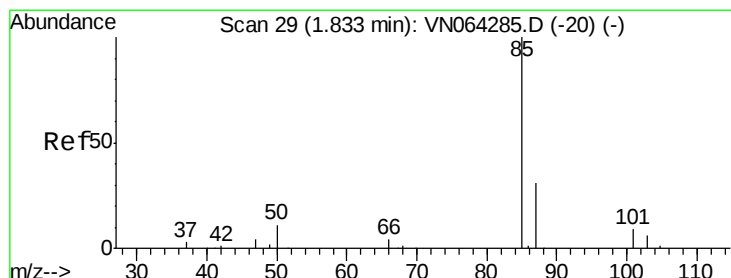
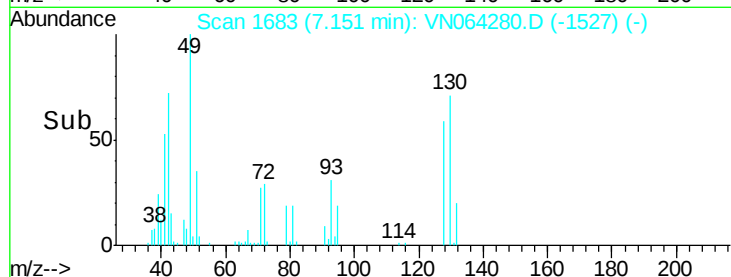
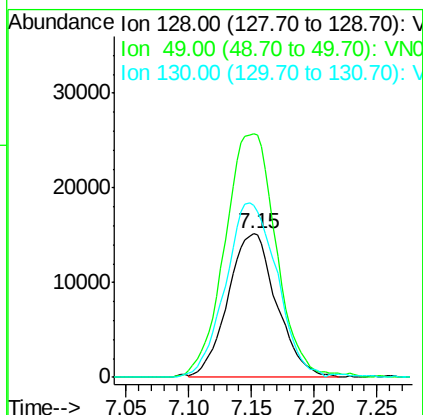
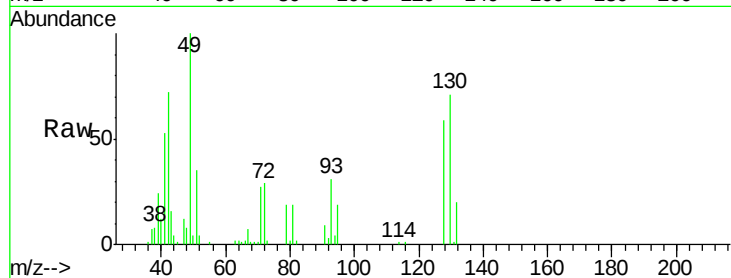
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	178.0	0.0	445.0
130	128.1	0.0	320.2

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#2

Dichlorodifluoromethane

Concen: 15.418 ug/l

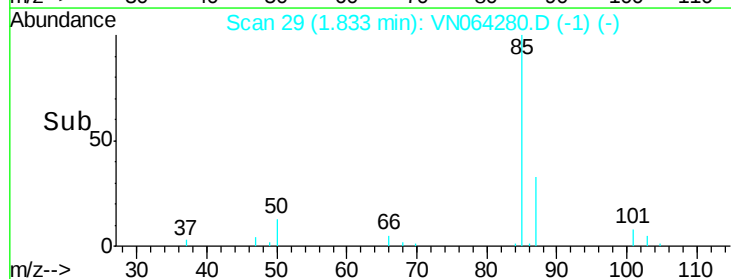
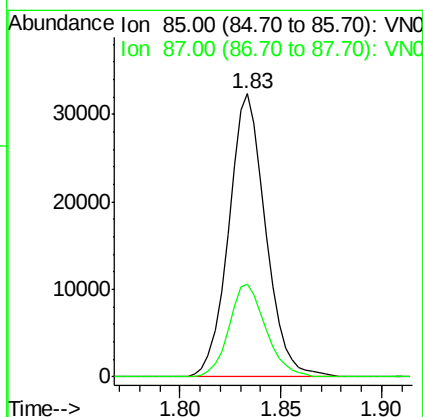
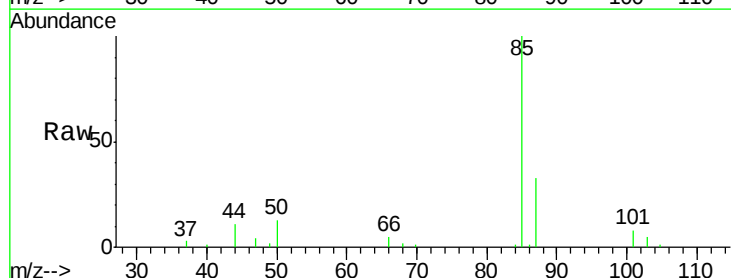
RT: 1.83 min Scan# 29

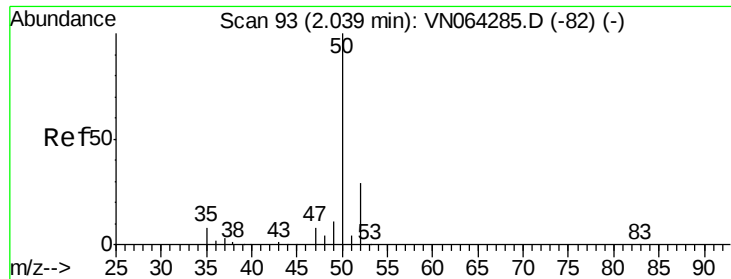
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.2





#3

Chloromethane

Concen: 15.151 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 41880

Ion Ratio Lower Upper

50 100

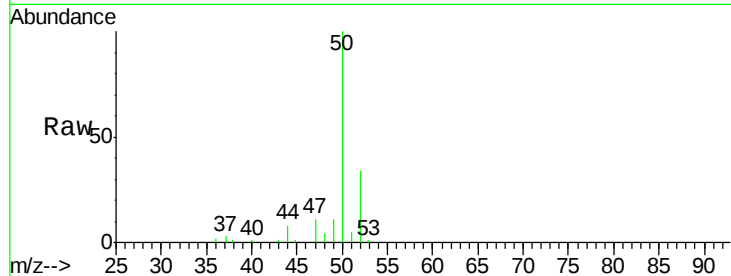
52 33.9 27.1 40.7

Manual Integrations

APPROVED

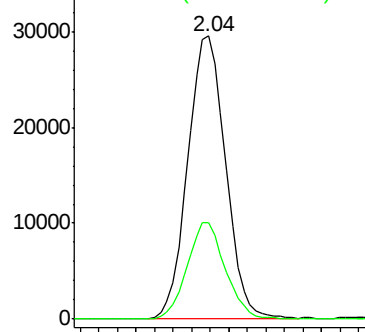
MMDadoda

10/26/2020 1:38:39 PM

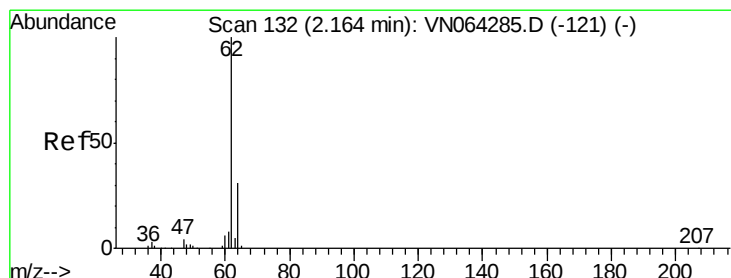
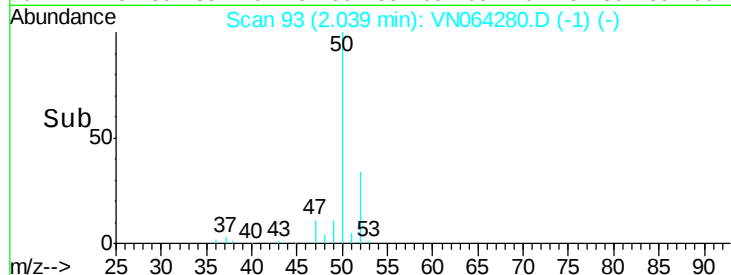


Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#4

Vinyl Chloride

Concen: 15.150 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064280.D

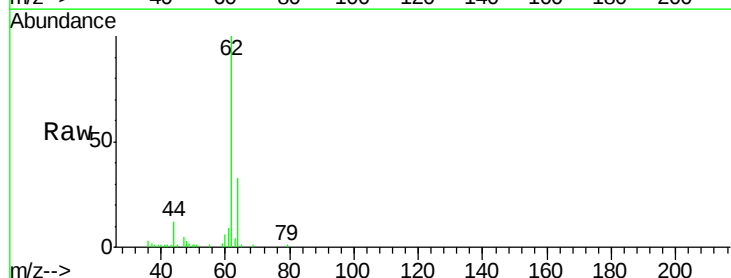
Acq: 23 Oct 2020 10:22

Tgt Ion: 62 Resp: 41130

Ion Ratio Lower Upper

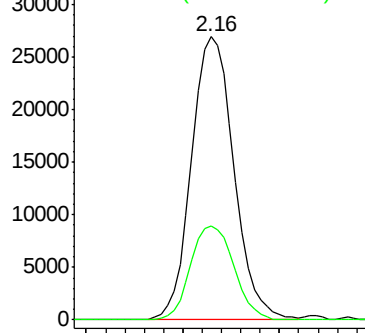
62 100

64 33.2 26.6 39.8

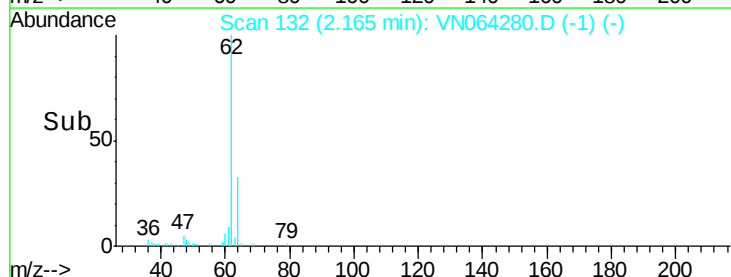


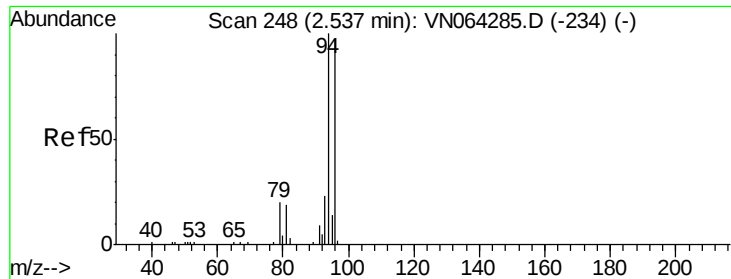
Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0



Time-->





#5

Bromomethane

Concen: 16.864 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 28185

Ion Ratio Lower Upper

94 100

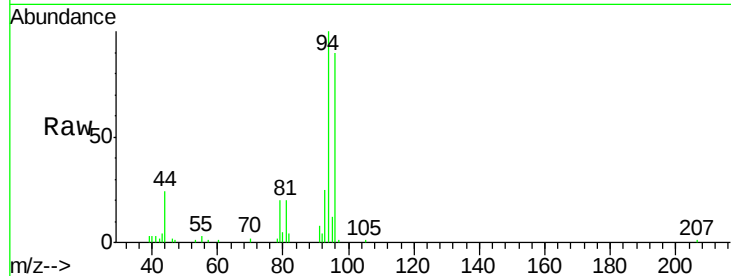
96 90.5 72.4 108.6

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:38:39 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

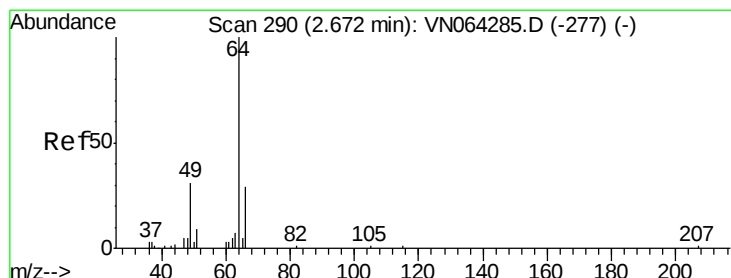
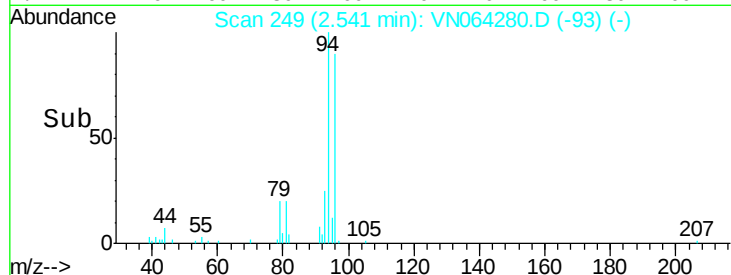
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 14.812 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064280.D

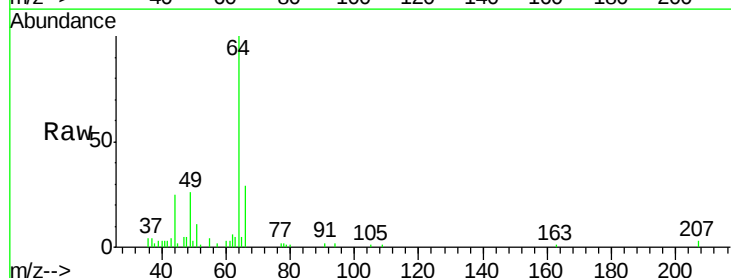
Acq: 23 Oct 2020 10:22

Tgt Ion: 64 Resp: 23409

Ion Ratio Lower Upper

64 100

66 29.3 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

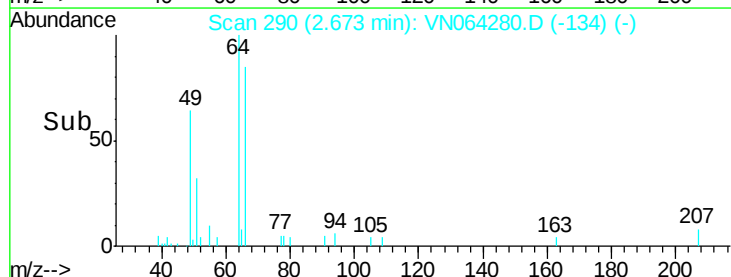
Ion 66.00 (65.70 to 66.70): VN0

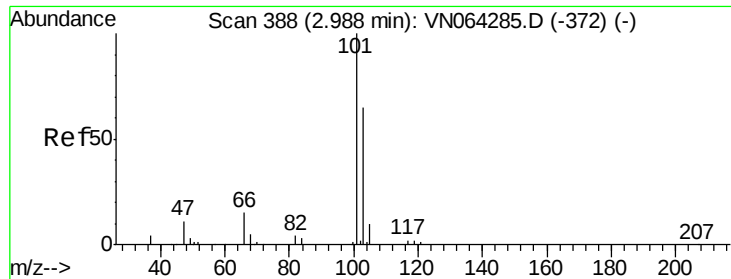
10000

5000

0

Time--> 2.60 2.65 2.70 2.75





#7

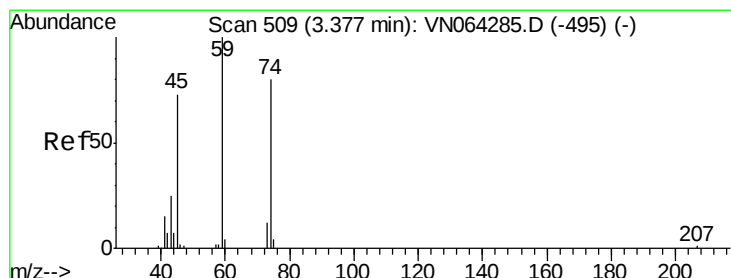
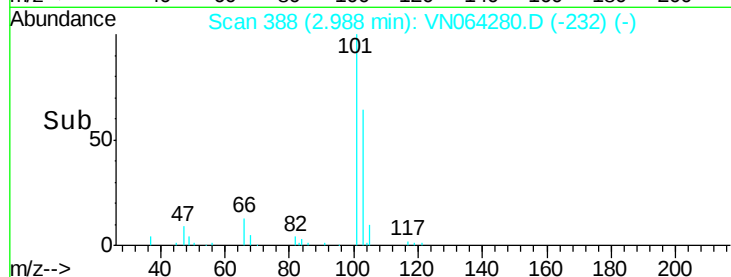
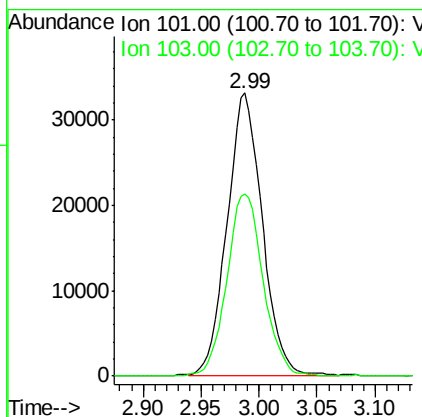
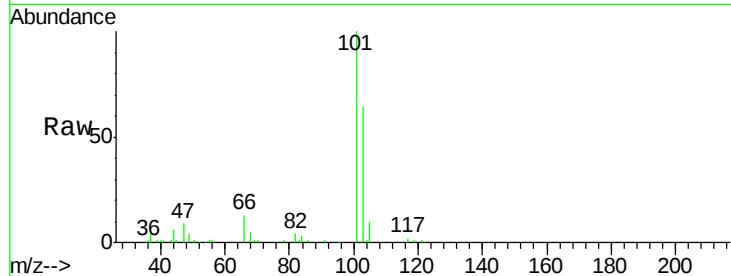
Trichlorofluoromethane
Concen: 16.043 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0

Manual Integrations
APPROVED

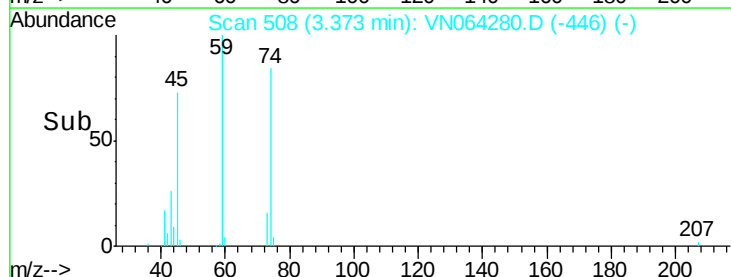
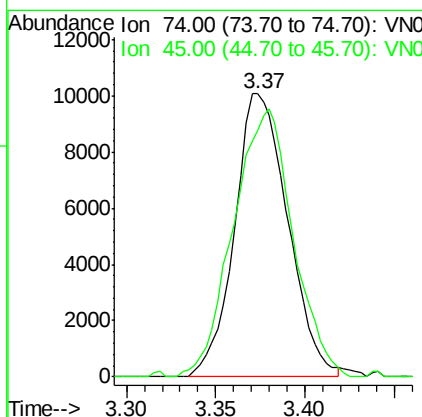
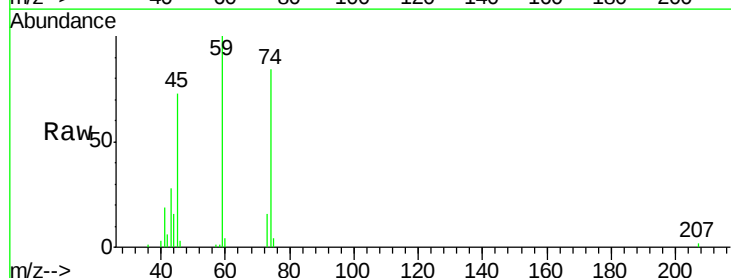
MMDadoda
10/26/2020 1:38:39 PM

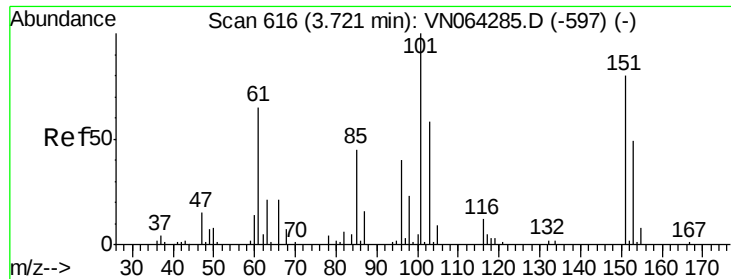


#8

Diethyl Ether
Concen: 14.204 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	21.3	191.3





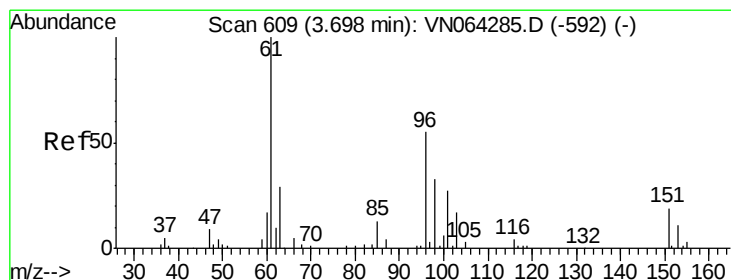
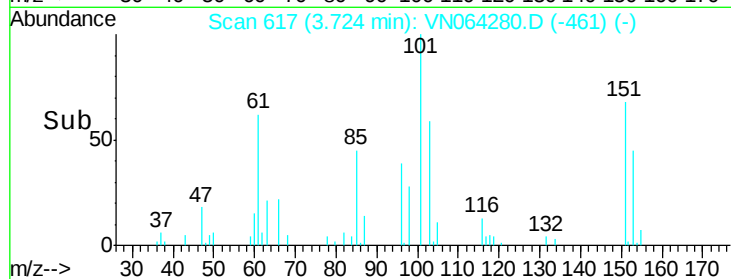
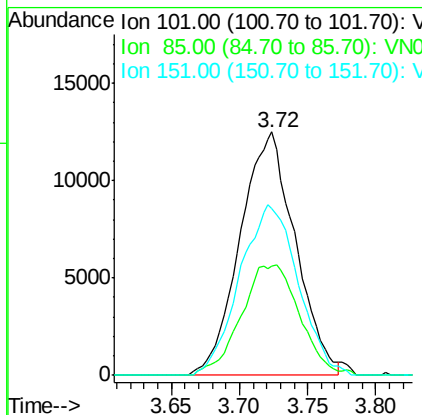
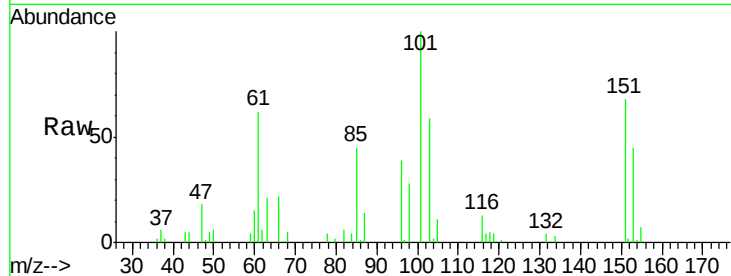
#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.192 ug/l
RT: 3.72 min Scan# 617
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	35048		
85	23.7	0.0	47.4	
151	74.2	0.0	148.4	

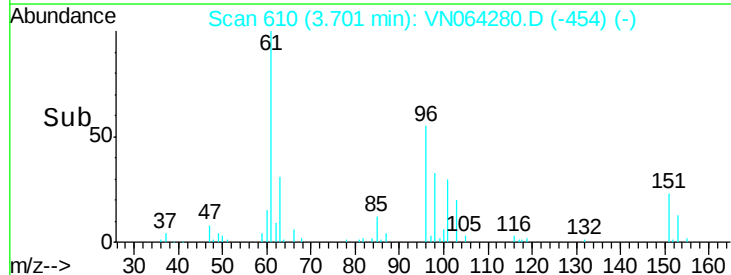
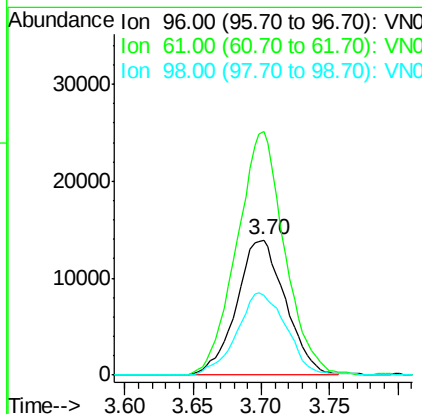
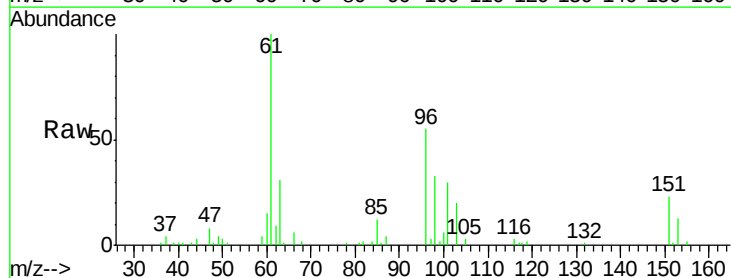
Manual Integrations
APPROVED

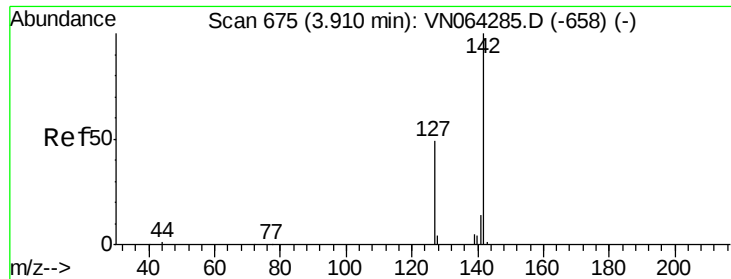
MMDadoda
10/26/2020 1:38:39 PM



#10
1,1-Dichloroethene
Concen: 15.327 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	34711		
61	180.3	144.2	216.4	
98	59.2	47.4	71.0	





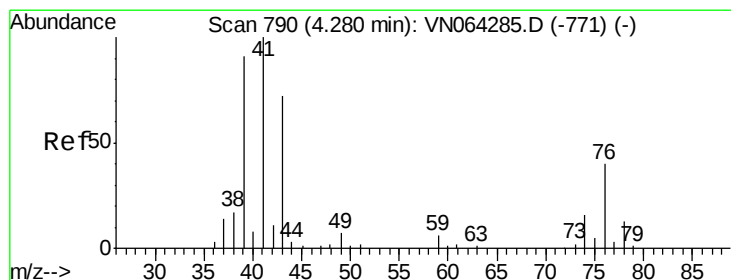
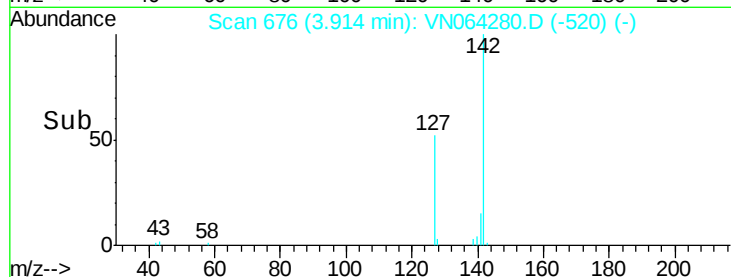
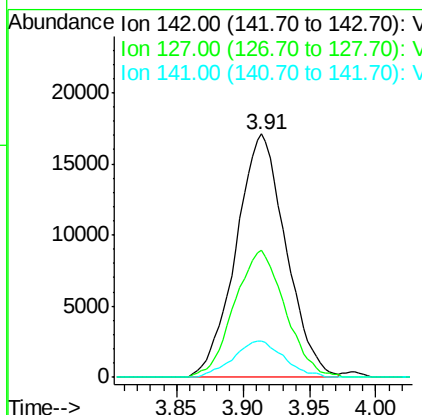
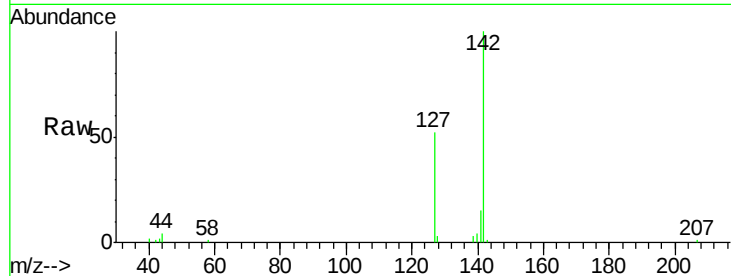
#11
Methyl Iodide
Concen: 13.839 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.9	25.9	77.8
141	15.1	7.5	22.6

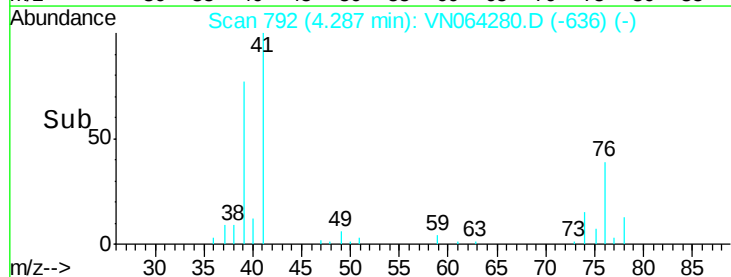
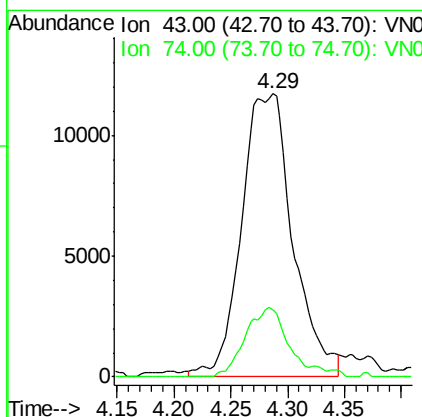
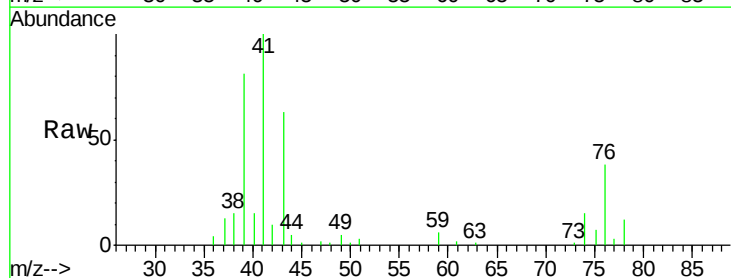
Manual Integrations
APPROVED

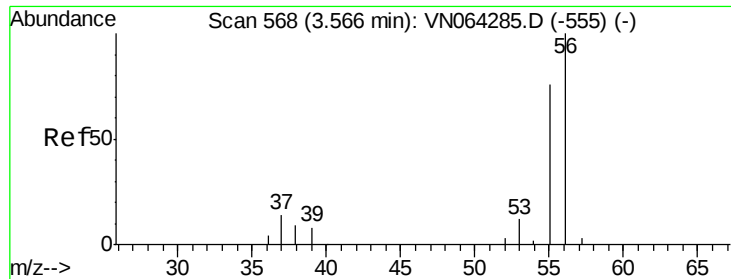
MMDadoda
10/26/2020 1:38:39 PM



#12
Methyl Acetate
Concen: 15.321 ug/l m
RT: 4.29 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.6





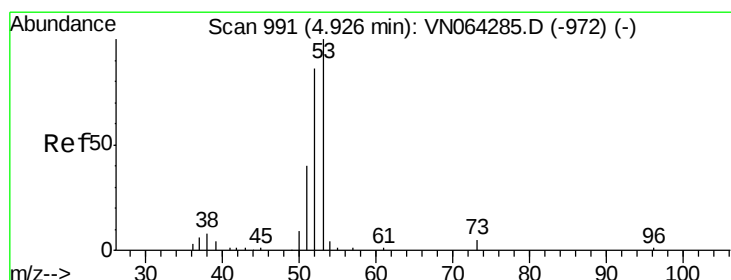
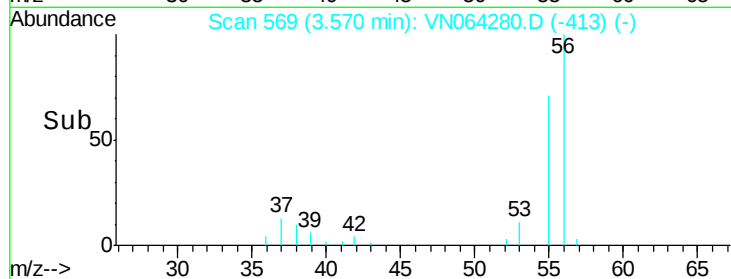
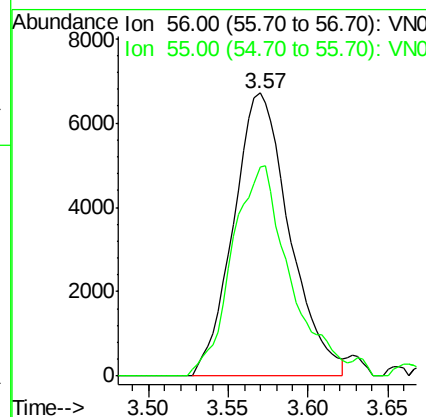
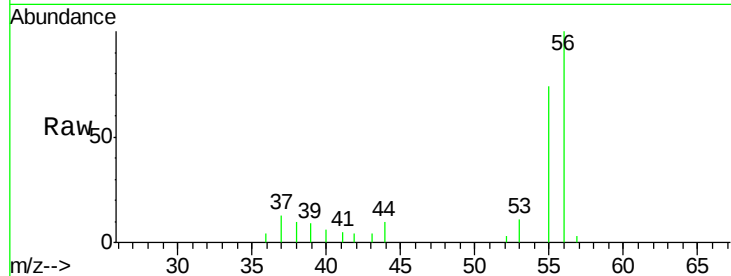
#13
Acrolein
Concen: 61.805 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		16130		
55	76.3		61.0	91.6	

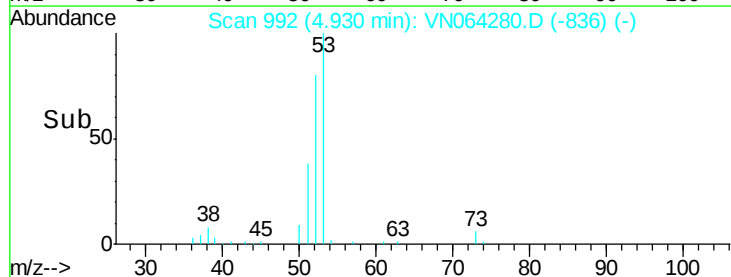
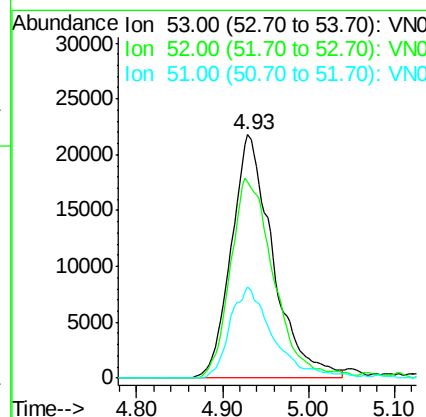
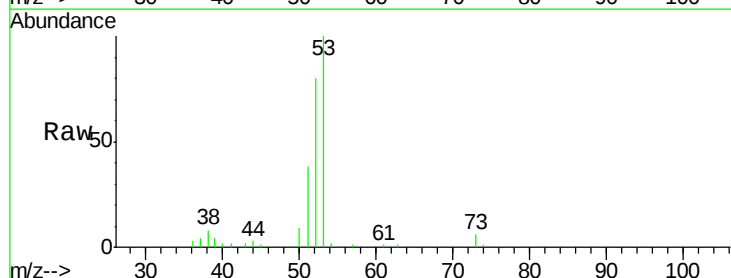
Manual Integrations
APPROVED

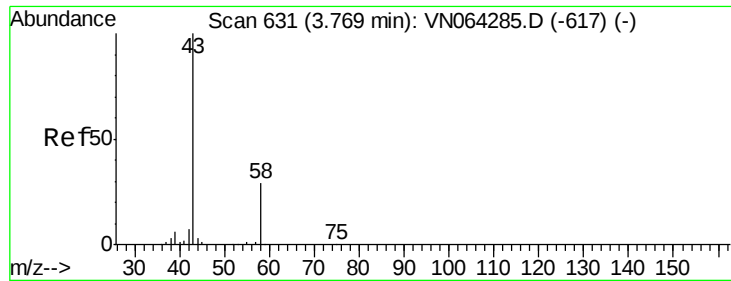
MMDadoda
10/26/2020 1:38:39 PM



#14
Acrylonitrile
Concen: 75.621 ug/l
RT: 4.93 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
53	100		73214		
52	83.4		41.7	125.1	
51	37.8		18.9	56.7	





#15

Acetone

Concen: 92.390 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 25361

Ion Ratio Lower Upper

58 100

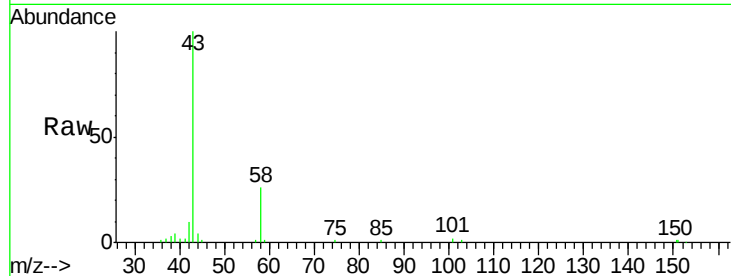
43 371.7 297.4 446.0

Manual Integrations

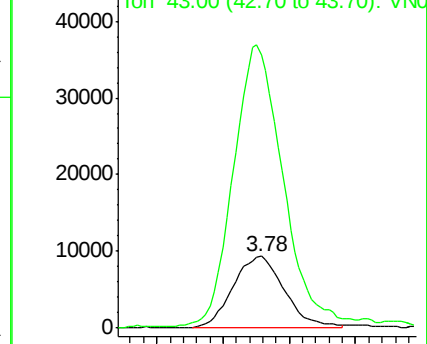
APPROVED

MMDadoda

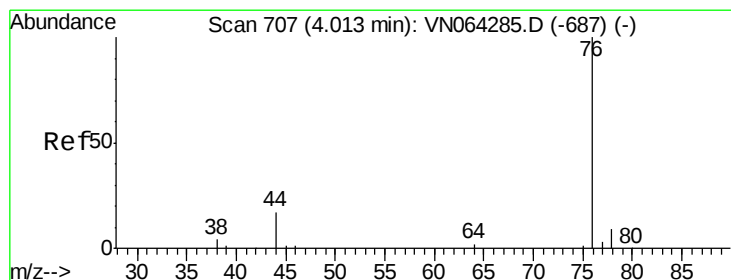
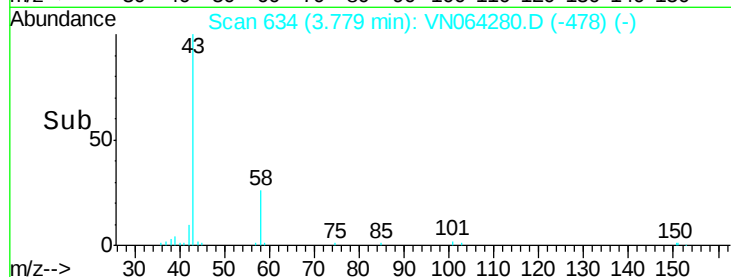
10/26/2020 1:38:39 PM



Abundance Ion 58.00 (57.70 to 58.70): VN064280.D (-478) (-)



Time-->



#16

Carbon Disulfide

Concen: 14.732 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064280.D

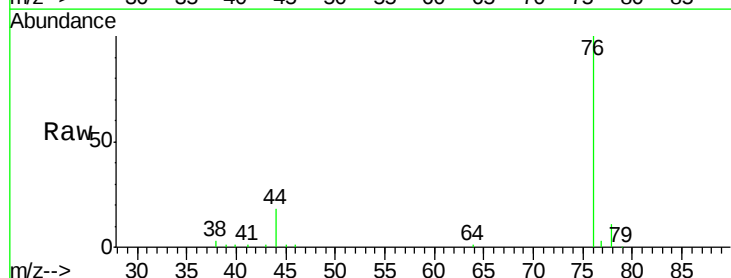
Acq: 23 Oct 2020 10:22

Tgt Ion: 76 Resp: 94751

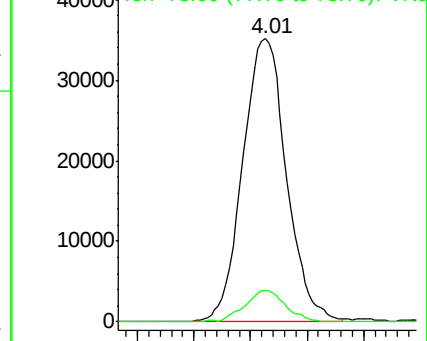
Ion Ratio Lower Upper

76 100

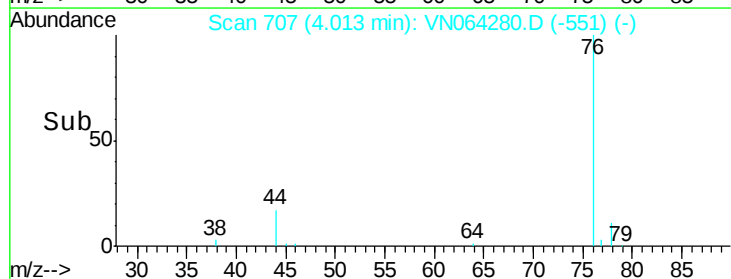
78 11.2 9.0 13.4

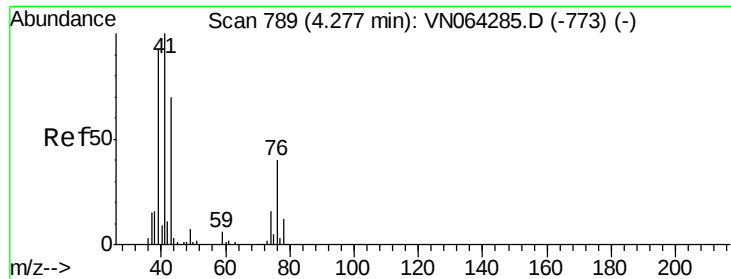


Abundance Ion 76.00 (75.70 to 76.70): VN064280.D (-551) (-)



Time-->





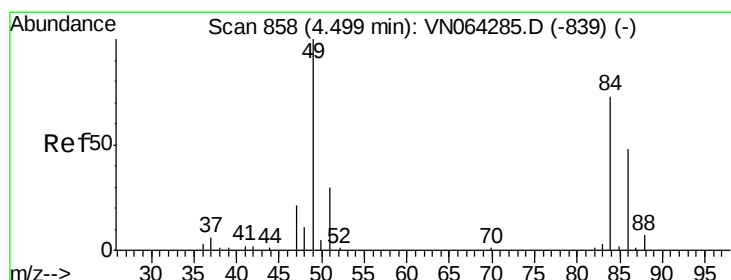
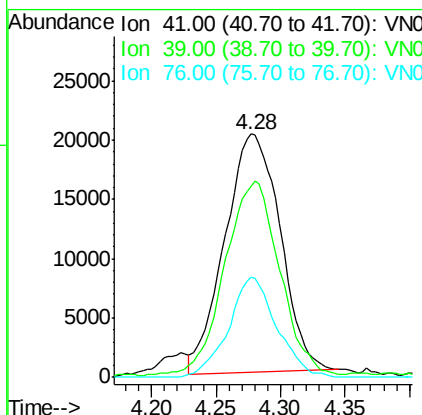
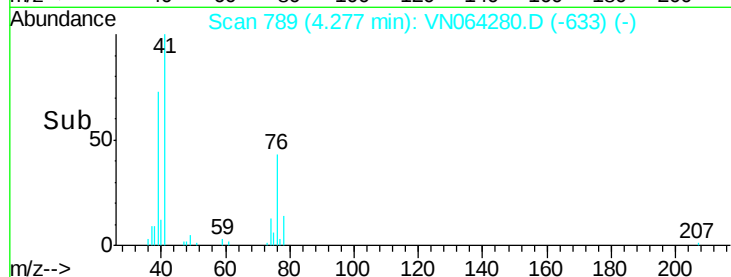
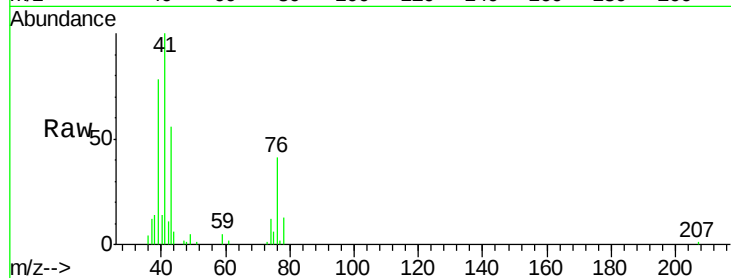
#17
Allvl chloride
Concen: 14.407 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.7	39.9	119.6
76	42.8	21.4	64.2

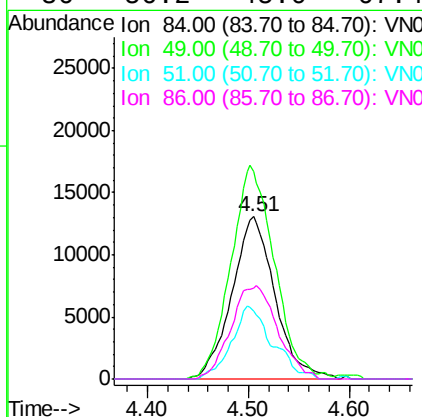
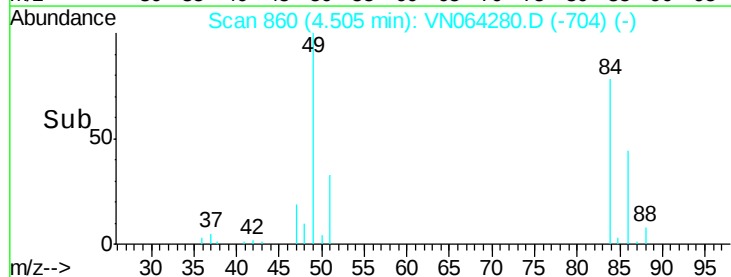
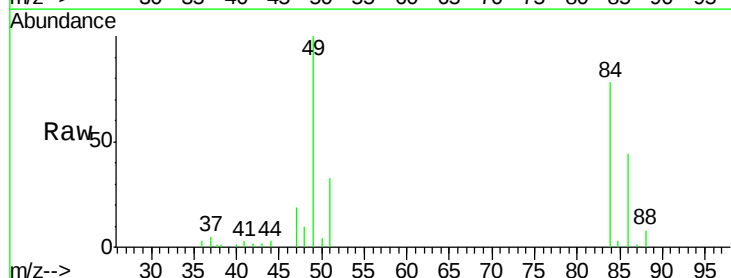
Manual Integrations
APPROVED

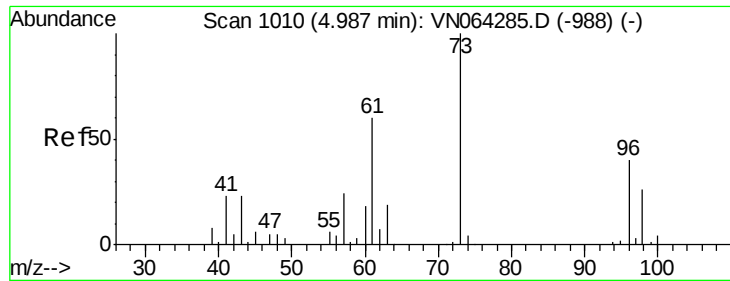
MMDadoda
10/26/2020 1:38:39 PM



#18
Methylene Chloride
Concen: 14.891 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.1	151.7
51	41.7	33.4	50.0
86	56.2	45.0	67.4





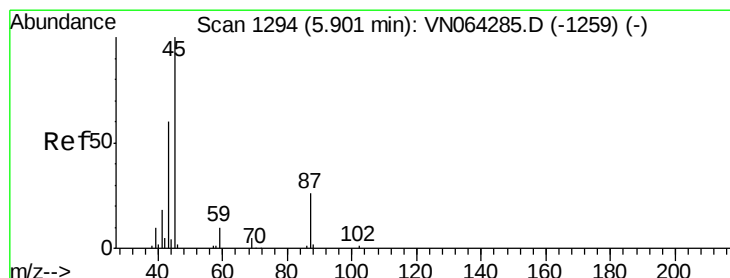
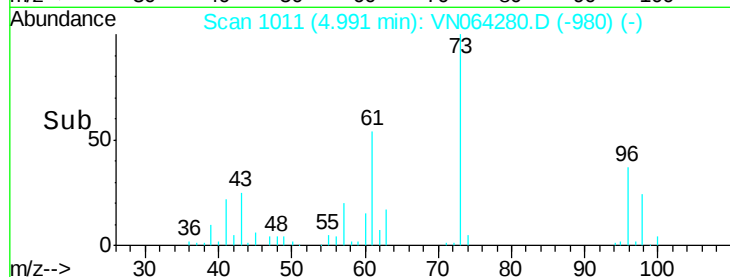
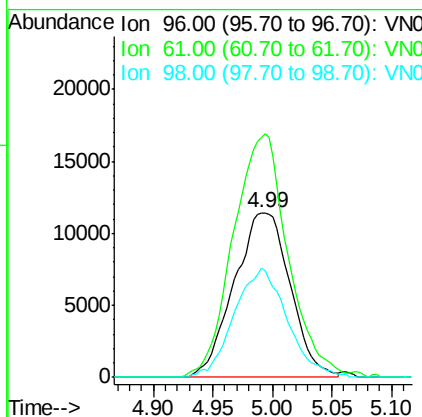
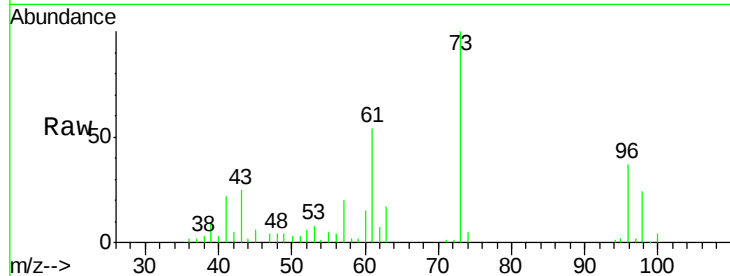
#19
trans-1,2-Dichloroethene
Concen: 15.257 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	114.2	171.2
98	66.0	52.8	79.2

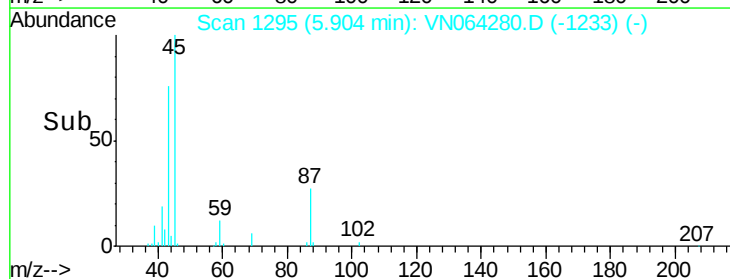
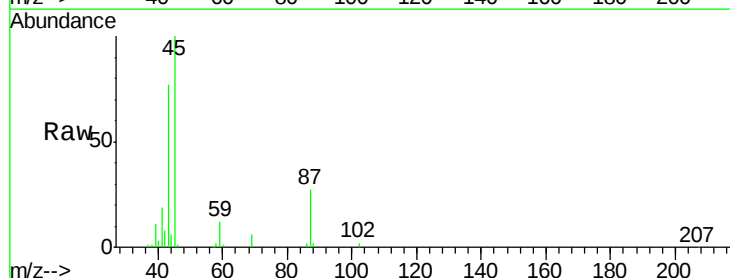
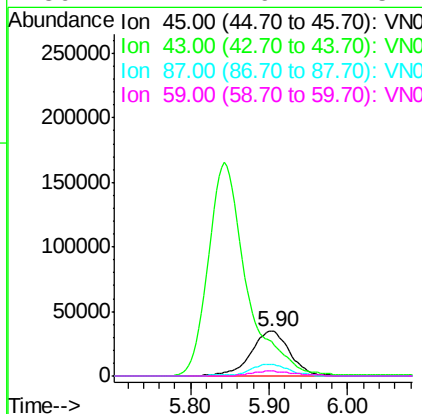
Manual Integrations
APPROVED

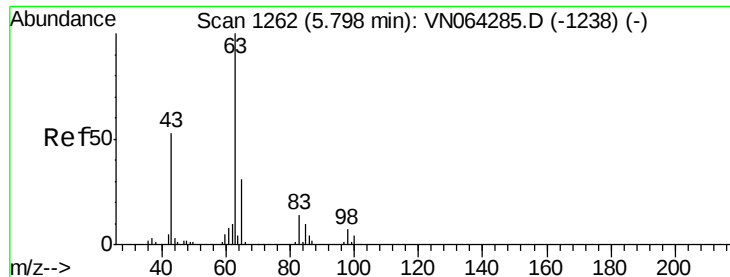
MMDadoda
10/26/2020 1:38:39 PM



#20
Diisopropyl ether
Concen: 15.375 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.6	58.9	88.3
87	26.2	21.0	31.4
59	11.4	9.1	13.7





#21

1,1-Dichloroethane

Concen: 15.177 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

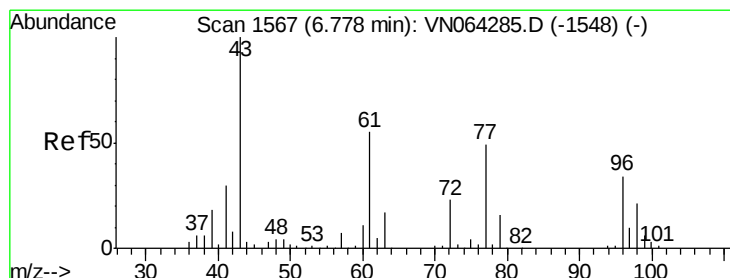
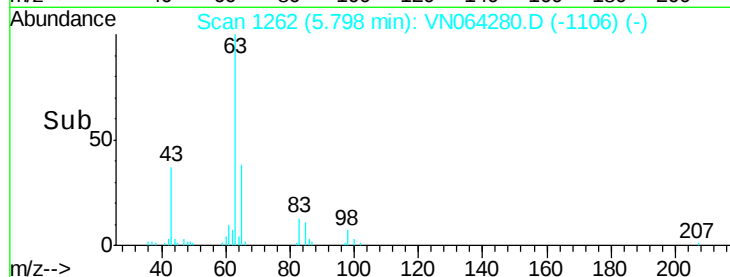
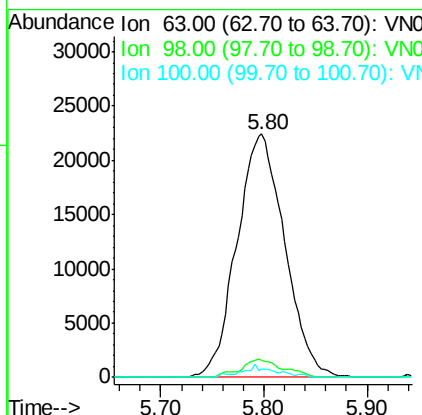
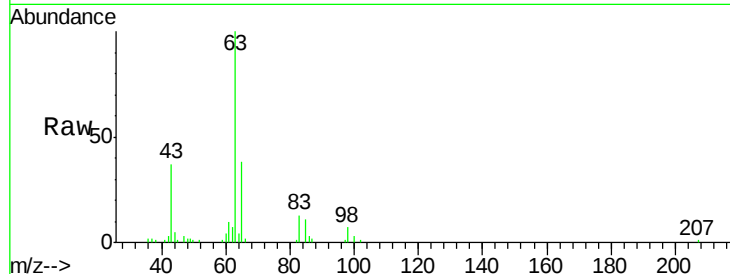
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	72081
Ion Ratio	Lower	Upper	
63	100		
98	7.1	3.5	10.6
100	3.1	1.6	4.7

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#22

cis-1,2-Dichloroethene

Concen: 15.174 ug/l

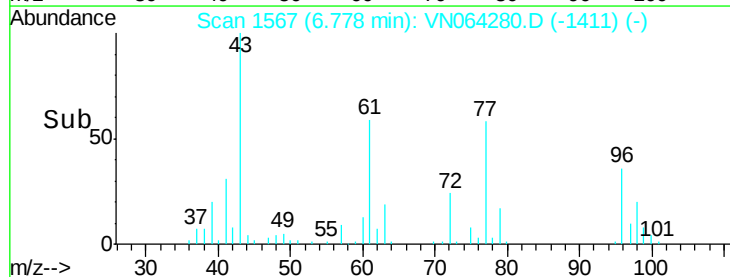
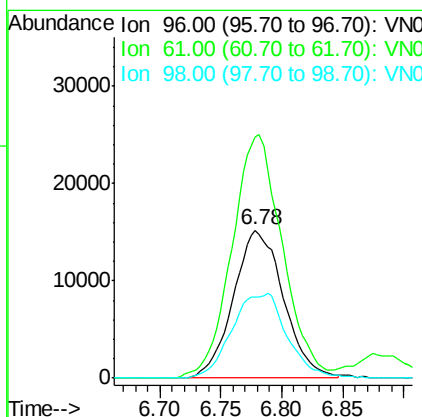
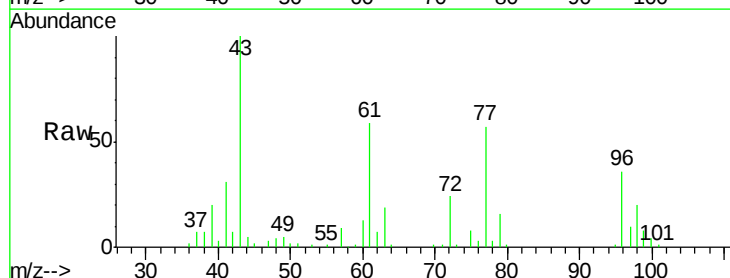
RT: 6.78 min Scan# 1567

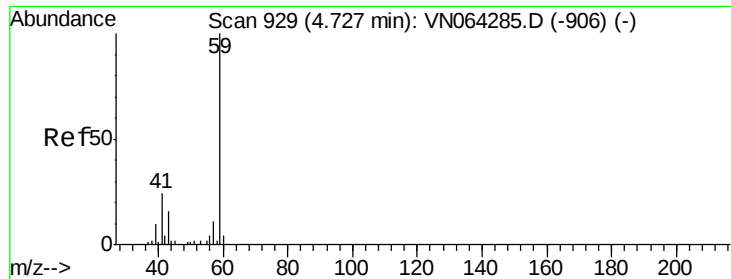
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	96	Resp:	43270
Ion Ratio	Lower	Upper	
96	100		
61	165.2	132.2	198.2
98	33.1	26.5	39.7





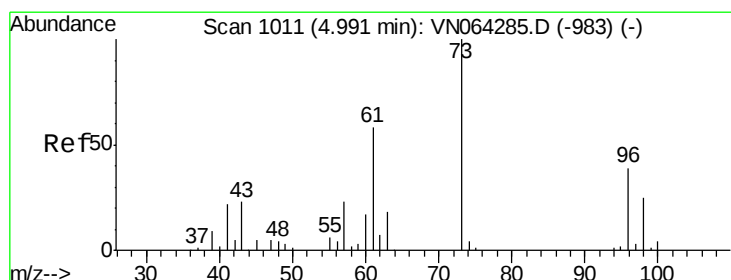
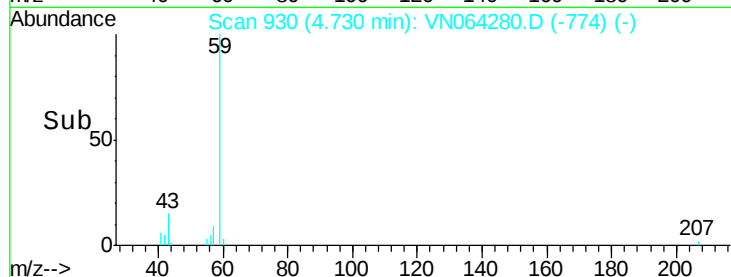
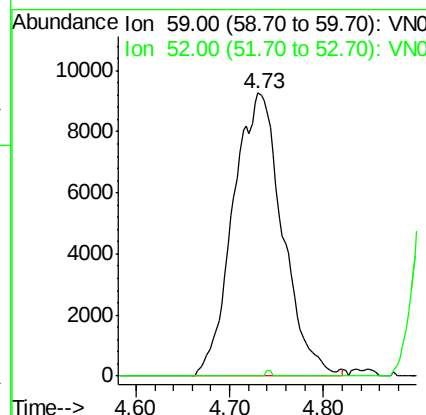
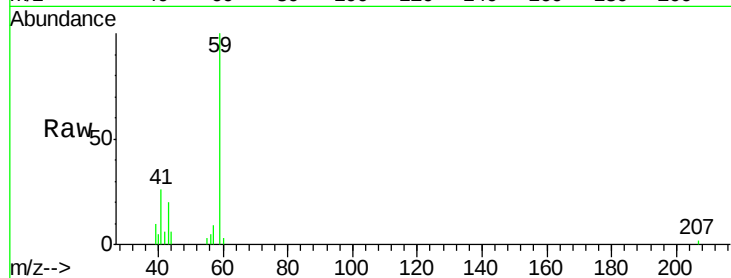
#23
 tert-Butyl Alcohol
 Concen: 75.040 ug/l m
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 59 Resp: 33921
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2

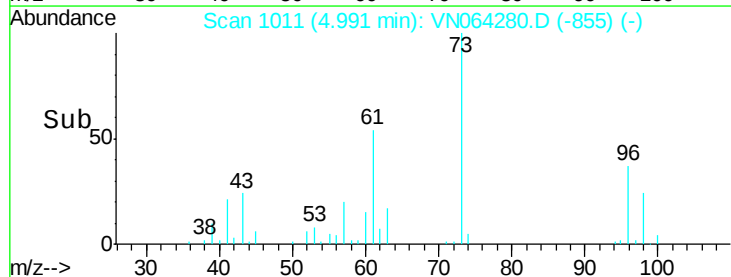
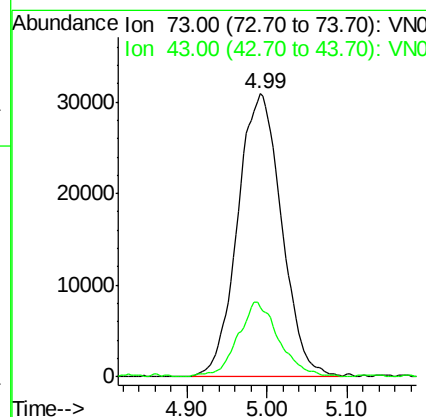
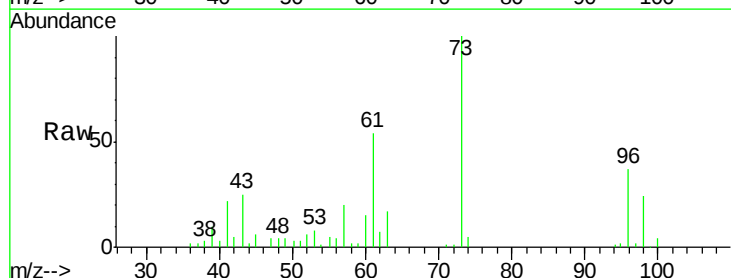
Manual Integrations
 APPROVED

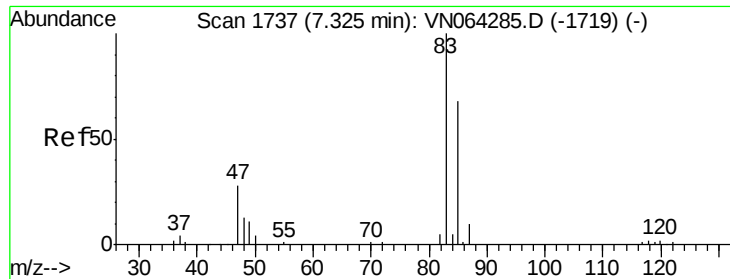
MMDadoda
 10/26/2020 1:38:39 PM



#24
 Methyl tert-Butyl Ether
 Concen: 15.425 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion: 73 Resp: 115636
 Ion Ratio Lower Upper
 73 100
 43 24.6 19.7 29.5





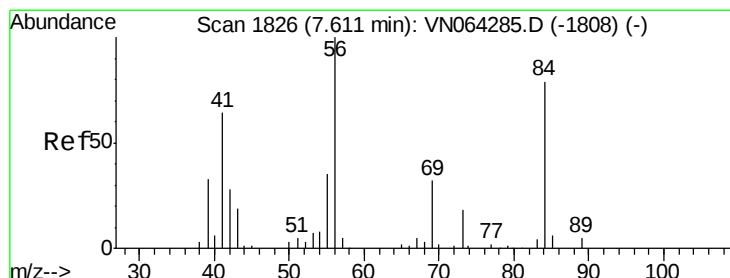
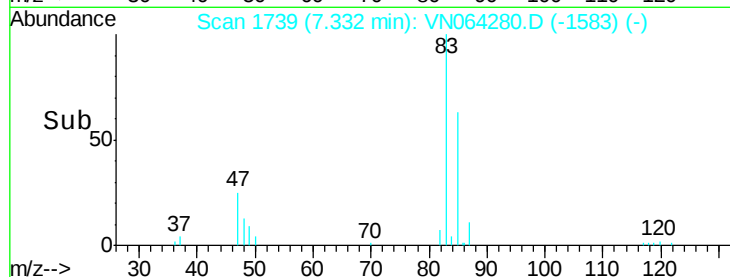
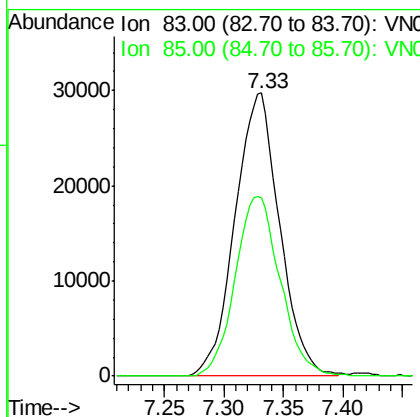
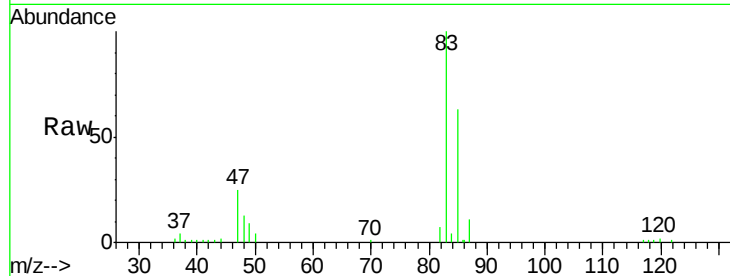
#25
Chloroform
Concen: 15.563 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	77292
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	50.3	75.5

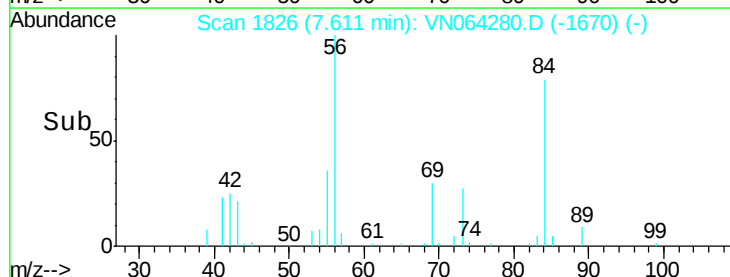
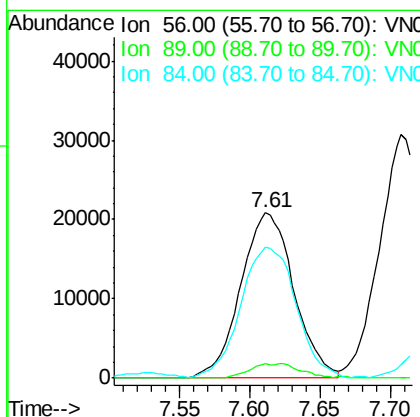
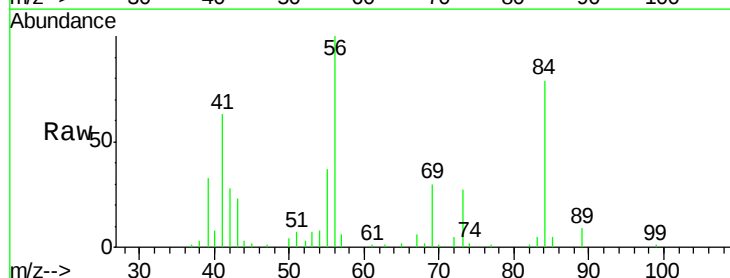
Manual Integrations
APPROVED

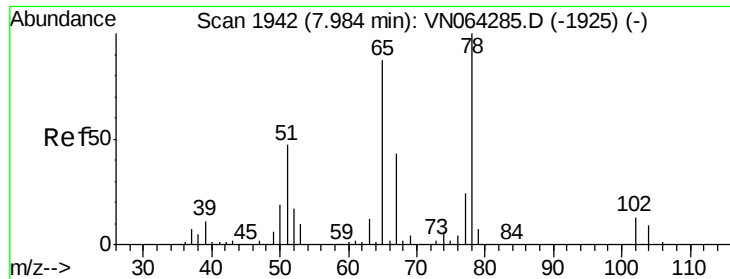
MMDadoda
10/26/2020 1:38:39 PM



#26
Cyclohexane
Concen: 14.600 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	56	Resp	54873
Ion Ratio	100	Lower	Upper
56	100		
89	4.3	3.4	5.2
84	82.7	66.2	99.2





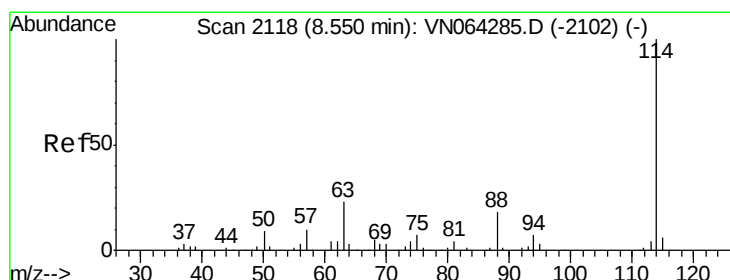
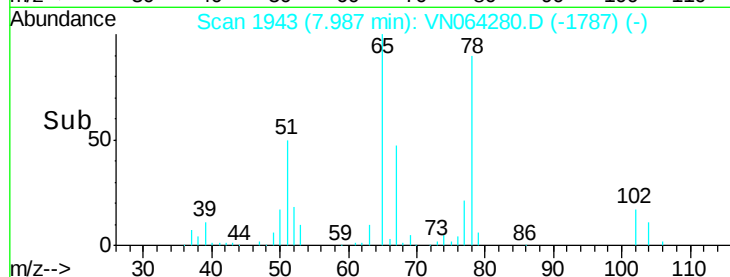
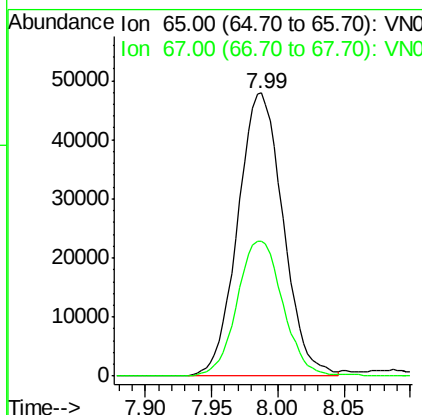
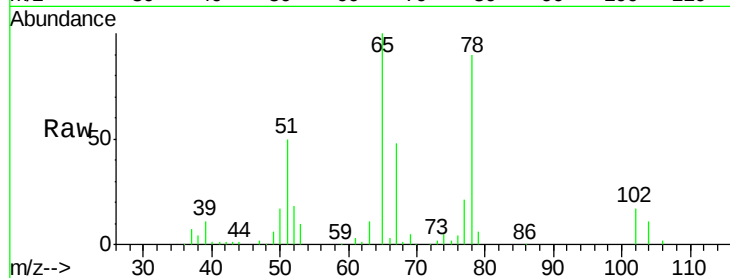
#27
 1,2-Dichloroethane-d4
 Concen: 33.281 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 65 Resp: 113831
 Ion Ratio Lower Upper
 65 100
 67 48.0 38.4 57.6

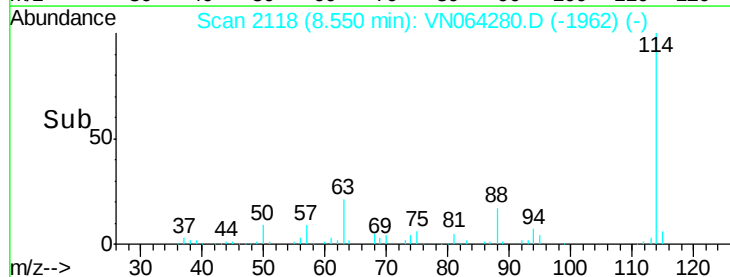
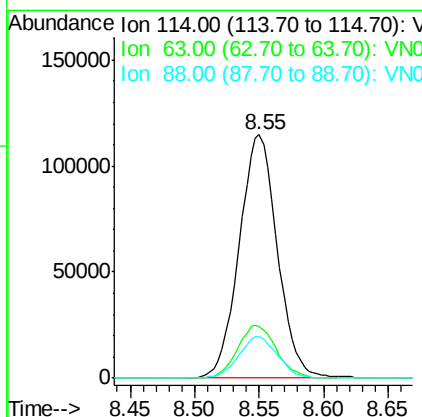
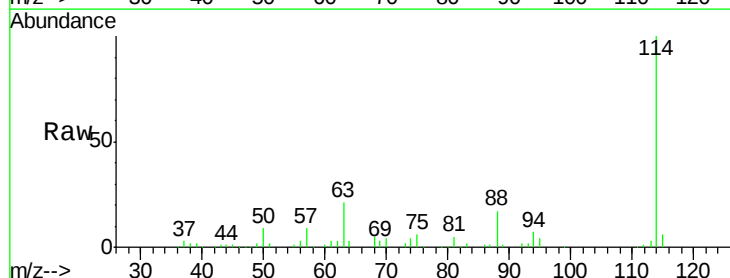
Manual Integrations
 APPROVED

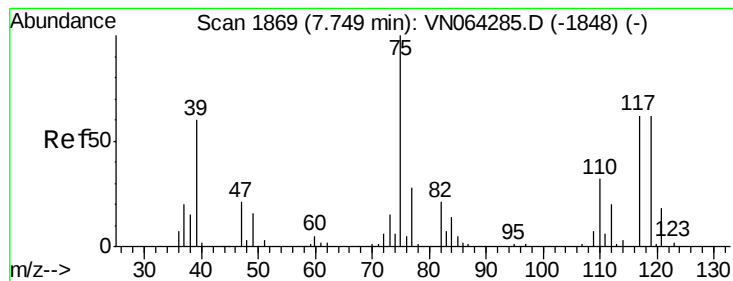
MMDadoda
 10/26/2020 1:38:39 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion: 114 Resp: 235614
 Ion Ratio Lower Upper
 114 100
 63 22.3 17.8 26.8
 88 17.3 13.8 20.8





#29

1,1-Dichloropropene

Concen: 15.067 ug/l

RT: 7.76 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

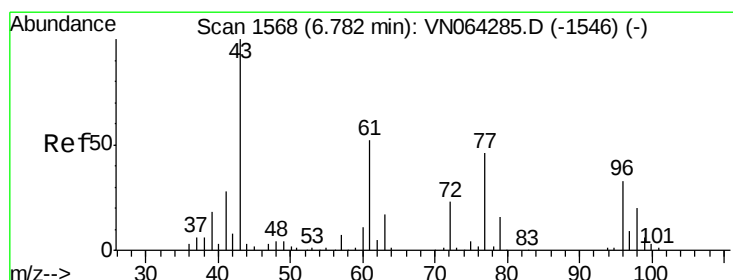
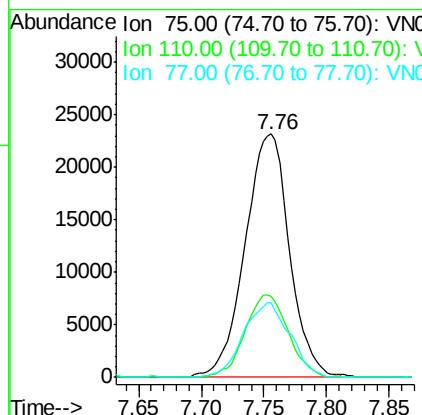
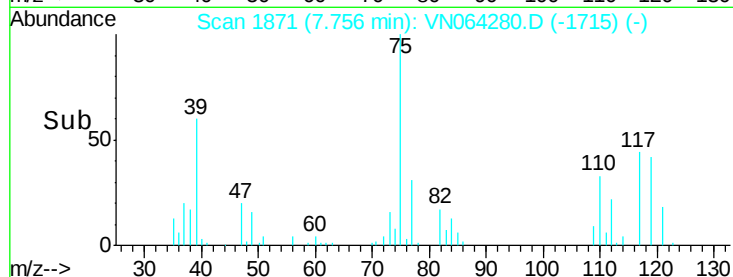
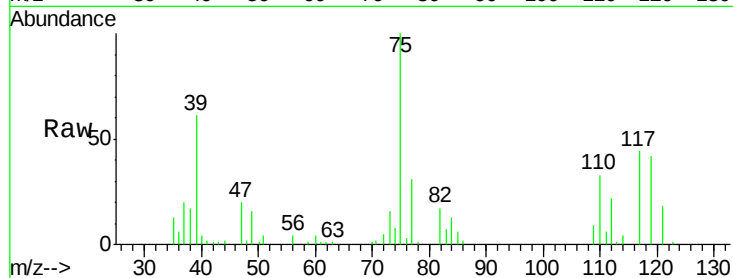
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	56981
Ion Ratio	Lower	Upper	
75	100		
110	33.1	0.0	66.2
77	32.2	0.0	64.4

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#30

2-Butanone

Concen: 80.212 ug/l

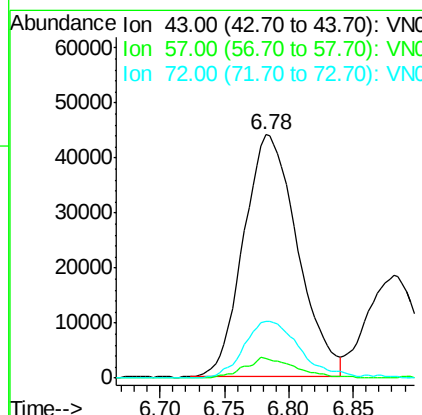
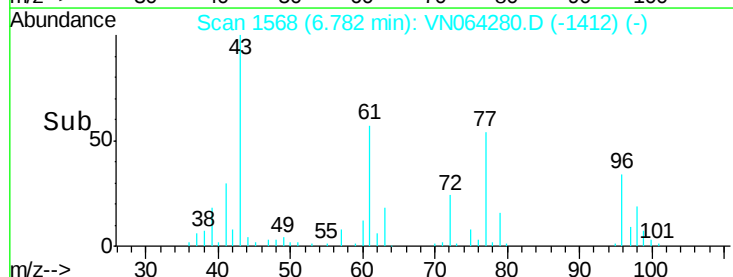
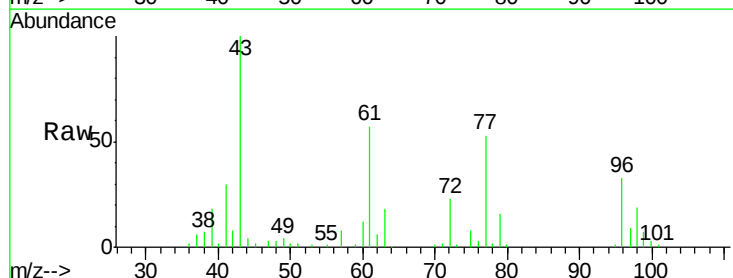
RT: 6.78 min Scan# 1568

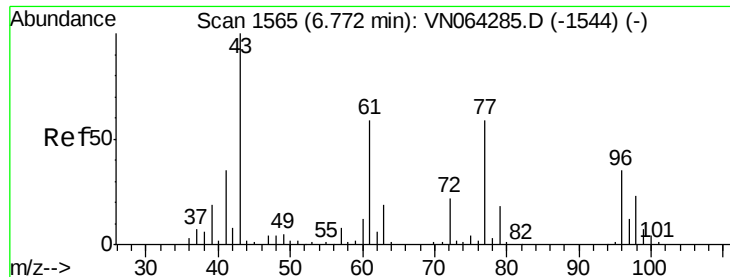
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	43	Resp:	128455
Ion Ratio	Lower	Upper	
43	100		
57	8.0	6.4	9.6
72	24.2	19.4	29.0





#31

2,2-Dichloropropane

Concen: 15.468 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 74724

Ion Ratio Lower Upper

77 100

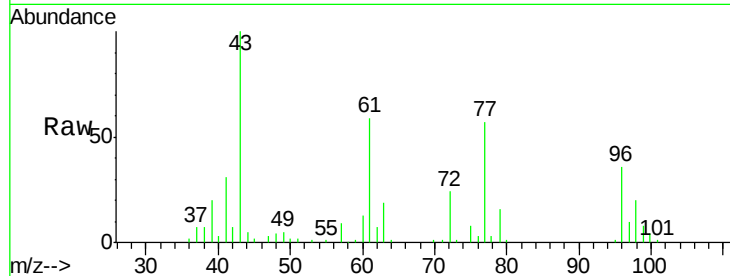
97 18.9 15.1 22.7

Manual Integrations

APPROVED

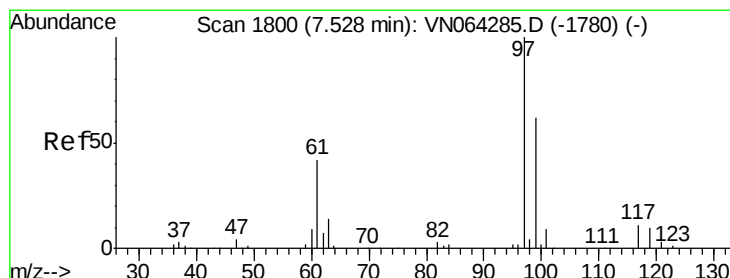
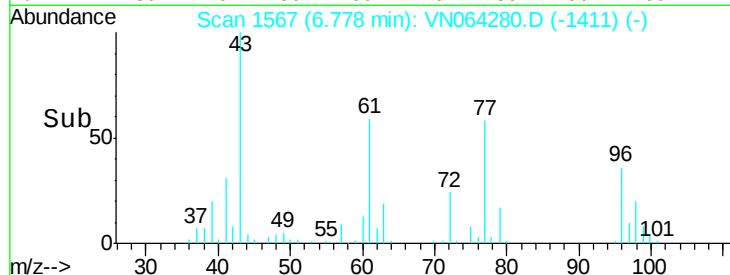
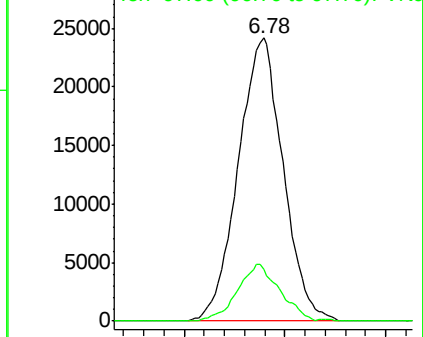
MMDadoda

10/26/2020 1:38:39 PM



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 15.134 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

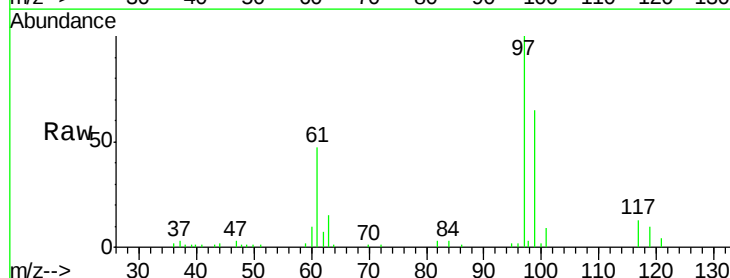
Tgt Ion: 97 Resp: 73311

Ion Ratio Lower Upper

97 100

99 68.0 54.4 81.6

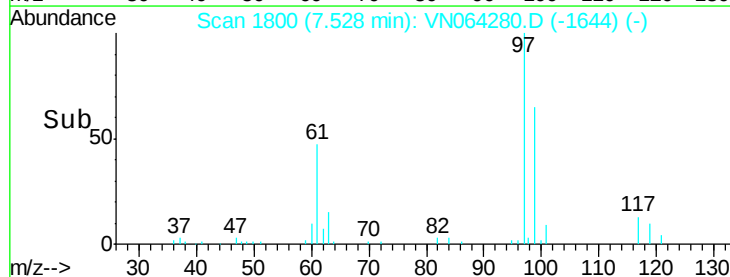
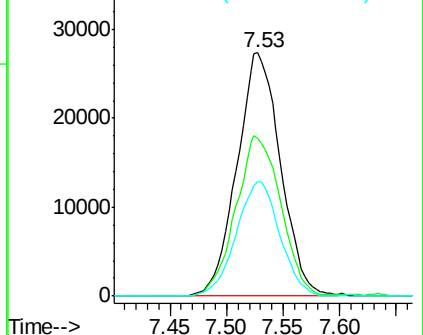
61 46.9 37.5 56.3

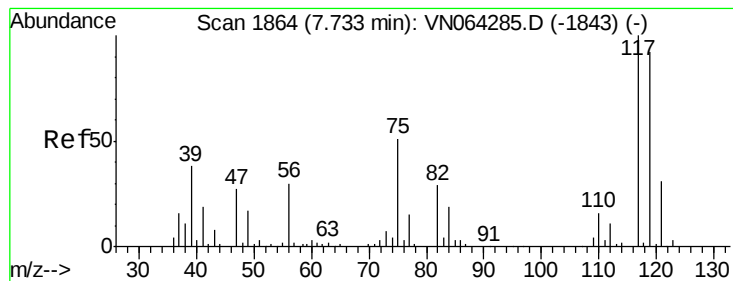


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 14.624 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

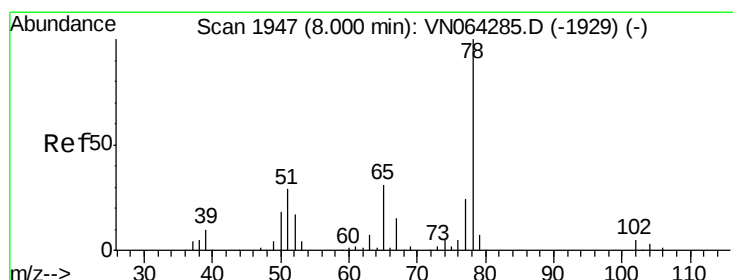
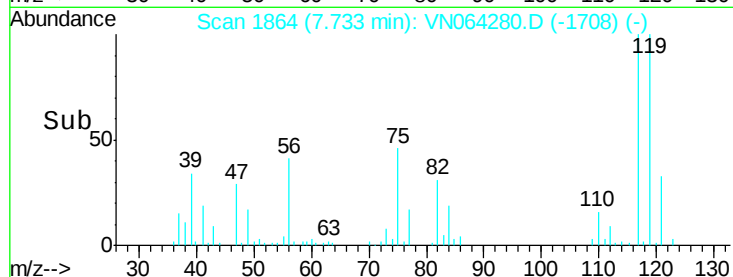
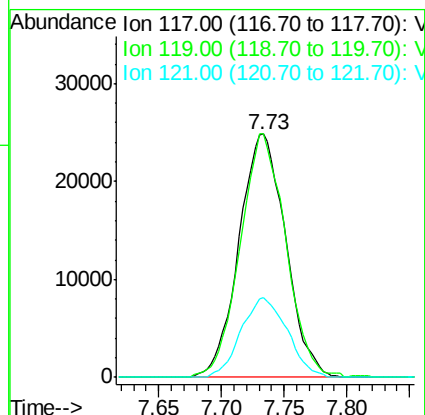
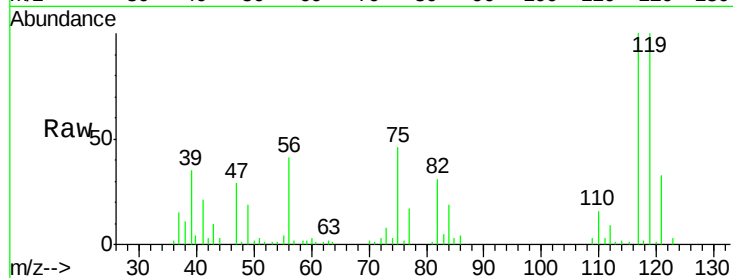
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.1	80.1	120.1
121	32.7	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#34

Benzene

Concen: 14.580 ug/l

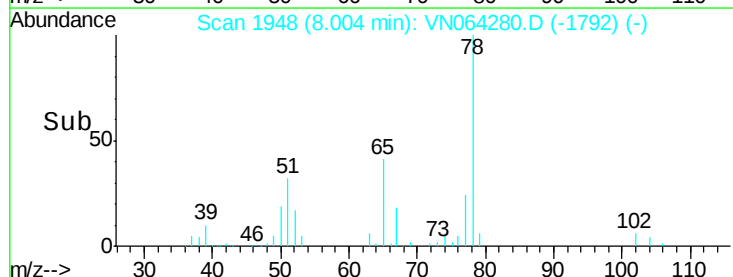
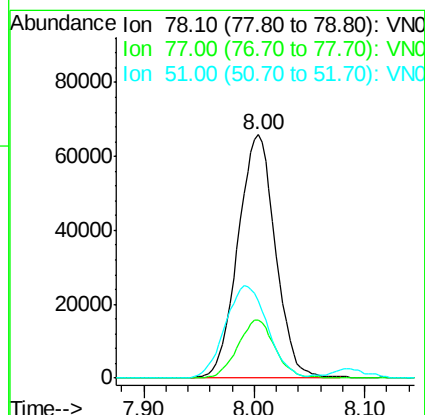
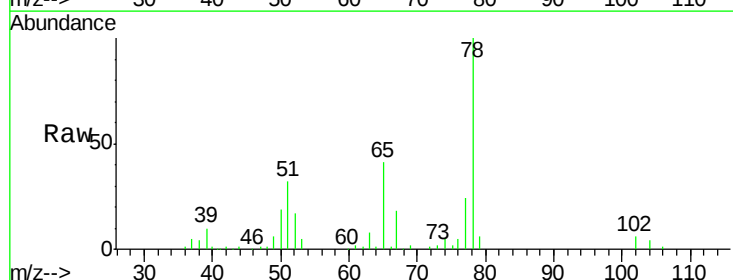
RT: 8.00 min Scan# 1948

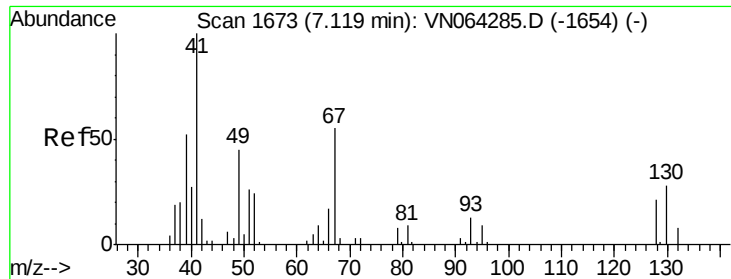
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8
51	31.5	25.2	37.8





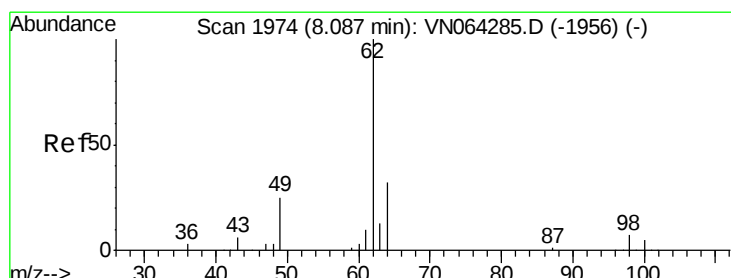
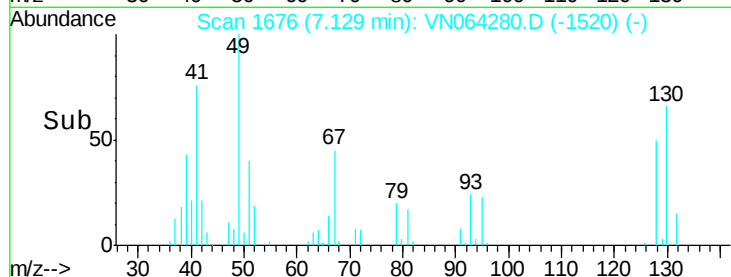
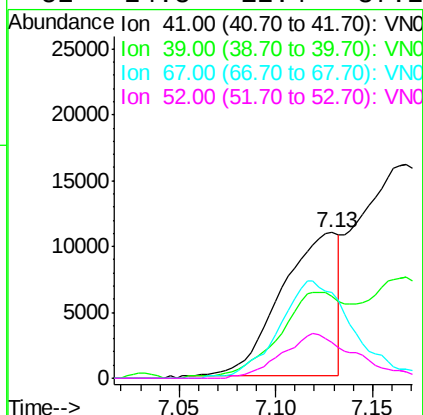
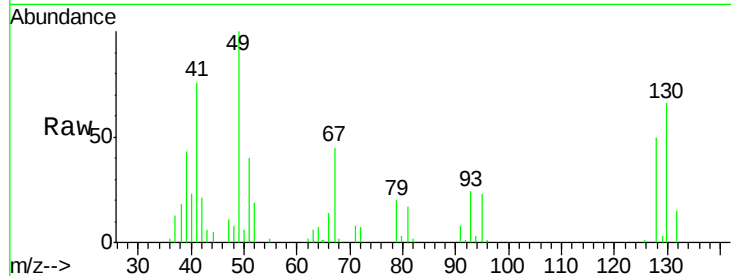
#35
Methacrylonitrile
Concen: 13.195 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	28.0	83.9	
67	59.9	29.9	89.8	
52	24.8	12.4	37.2	

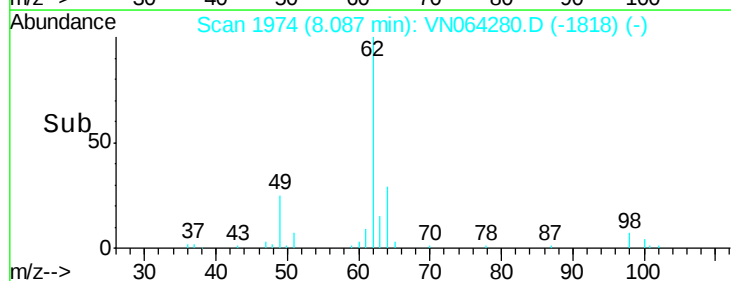
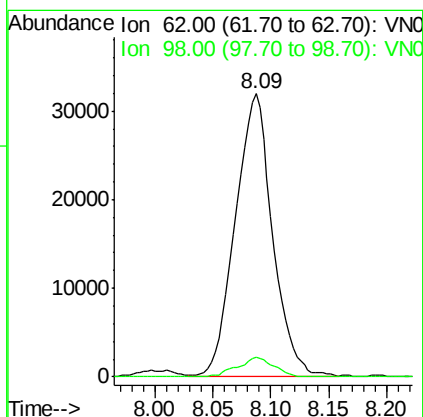
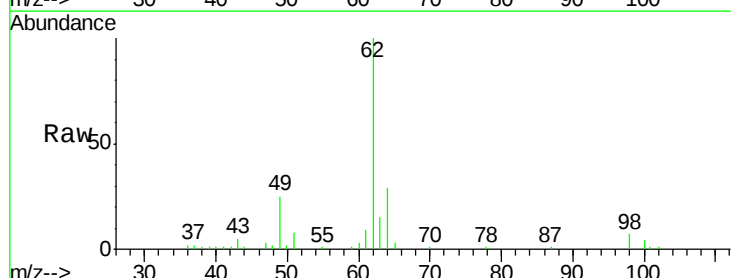
Manual Integrations
APPROVED

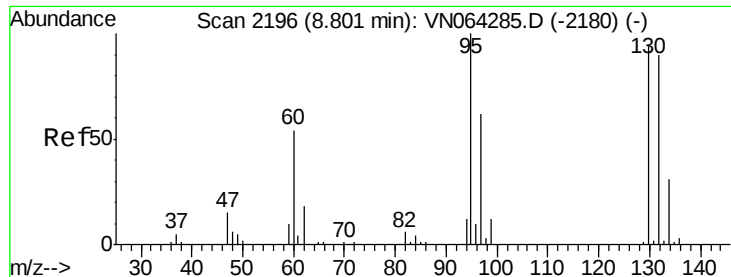
MMDadoda
10/26/2020 1:38:39 PM



#36
1,2-Dichloroethane
Concen: 16.408 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.7	5.4	8.0	





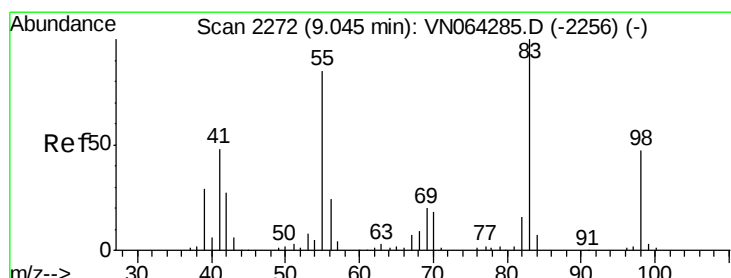
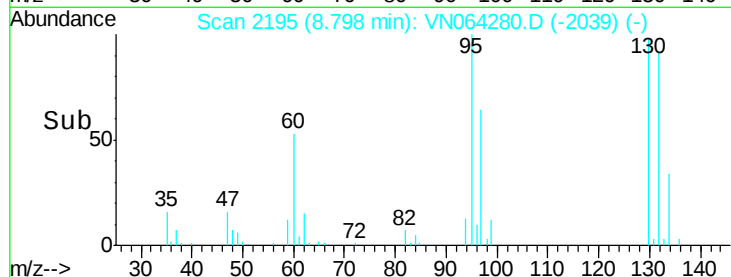
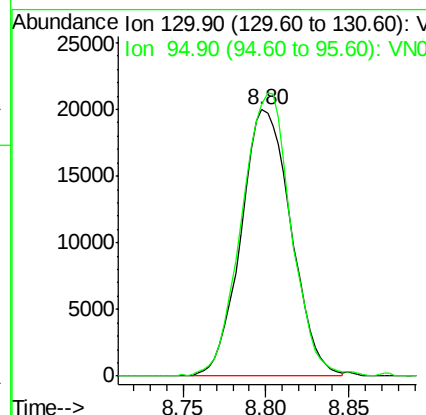
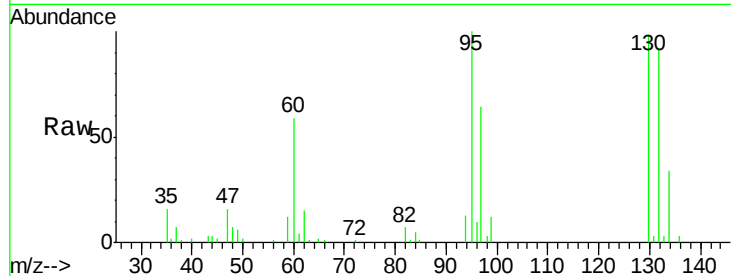
#37
 Trichloroethene
 Concen: 14.465 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 41957
 Ion Ratio Lower Upper
 130 100
 95 101.5 81.2 121.8

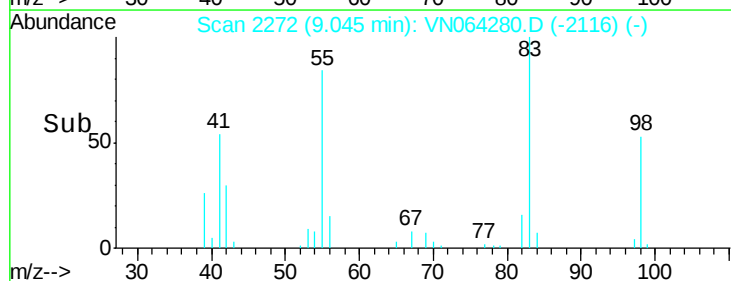
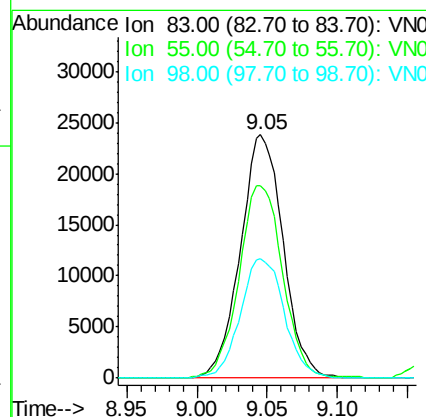
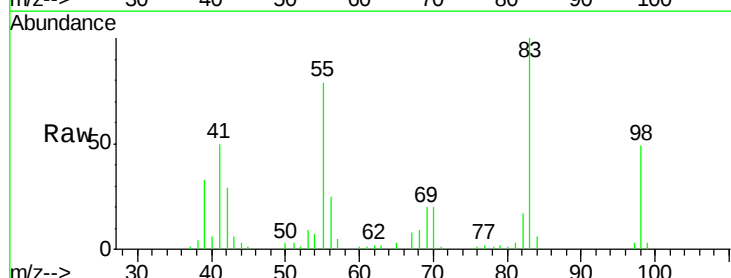
Manual Integrations
 APPROVED

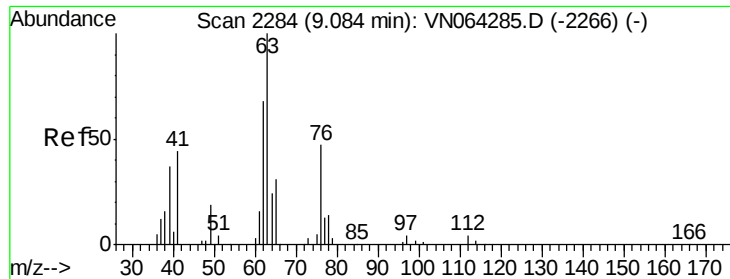
MMDadoda
 10/26/2020 1:38:39 PM



#38
 Methylcyclohexane
 Concen: 14.014 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion: 83 Resp: 50524
 Ion Ratio Lower Upper
 83 100
 55 80.6 40.3 120.9
 98 50.5 25.3 75.8





#39

1,2-Dichloropropane

Concen: 15.261 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 43225

Ion Ratio Lower Upper

63 100

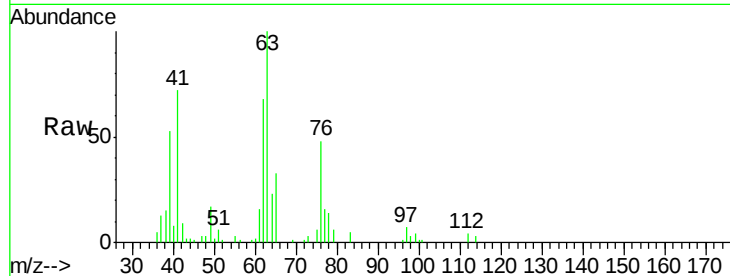
65 32.6 26.1 39.1

Manual Integrations

APPROVED

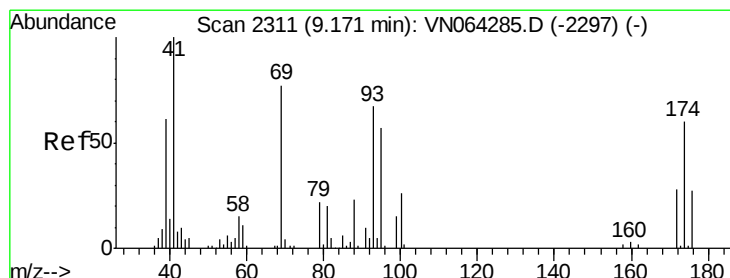
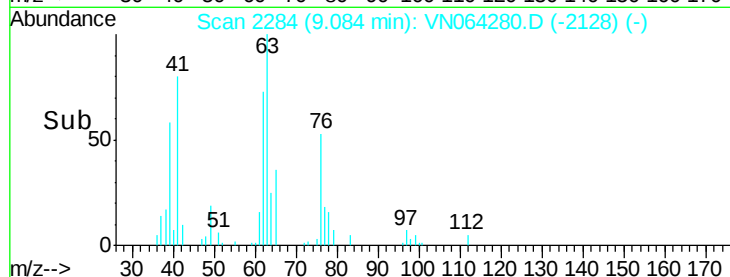
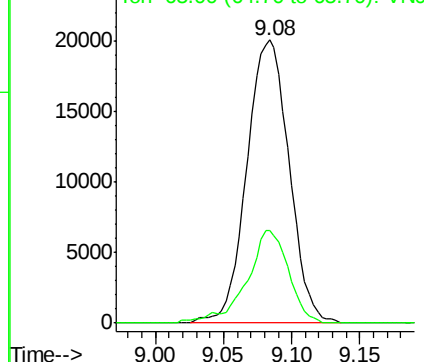
MMDadoda

10/26/2020 1:38:39 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 15.478 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

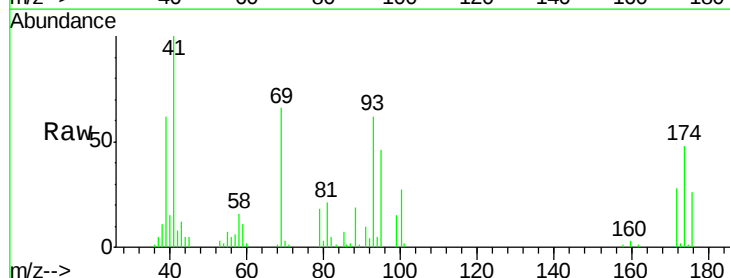
Tgt Ion: 93 Resp: 30696

Ion Ratio Lower Upper

93 100

95 78.3 0.0 156.6

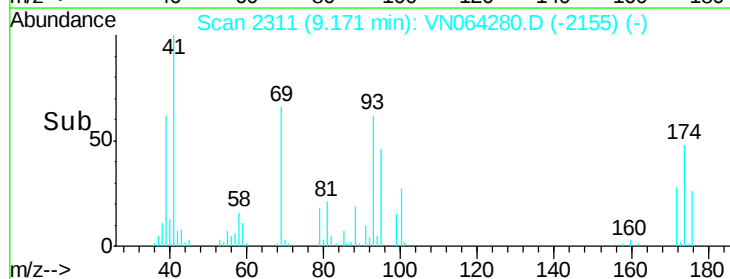
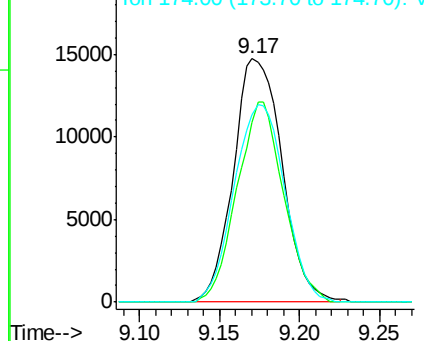
174 84.4 0.0 168.8

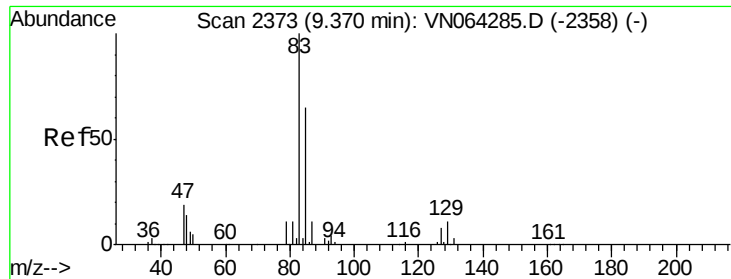


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





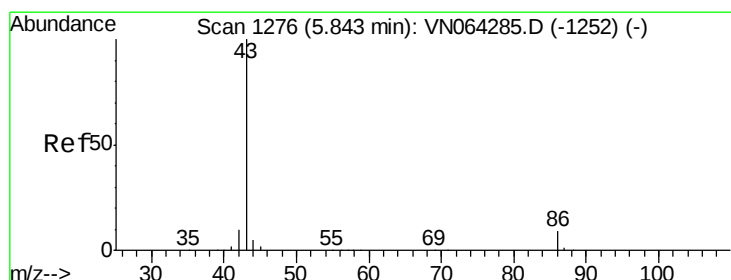
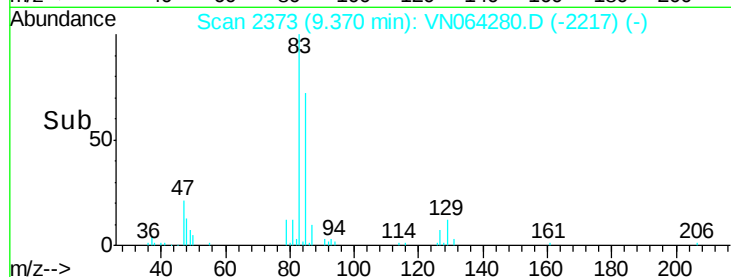
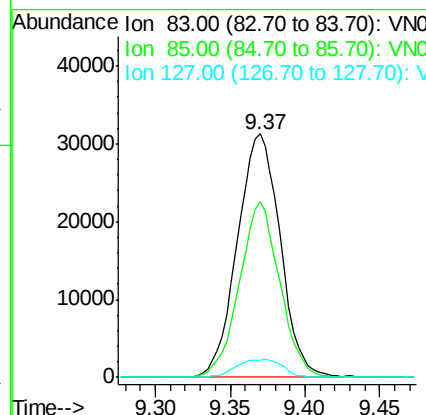
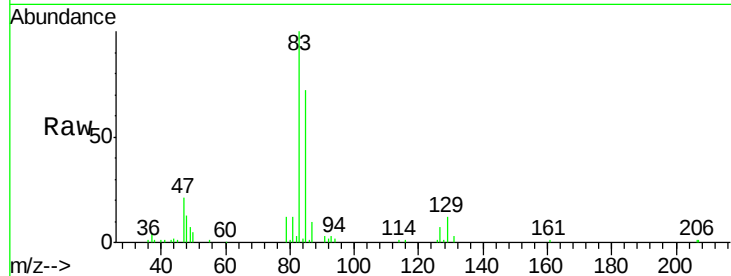
#41
Bromodichloromethane
Concen: 14.687 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	62360
Ion Ratio	100	Lower	Upper
83	100		
85	72.2	57.8	86.6
127	8.7	7.0	10.4

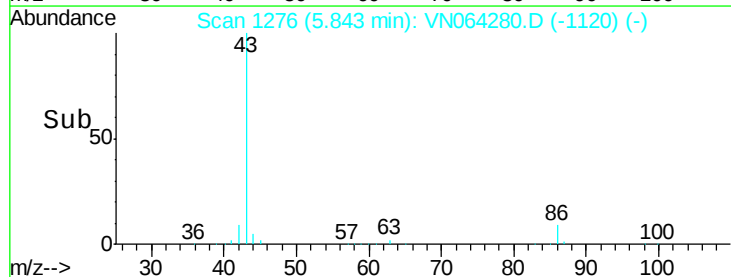
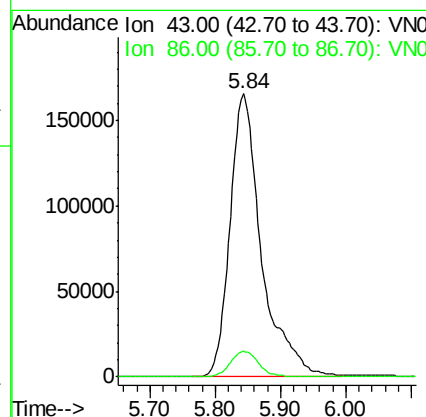
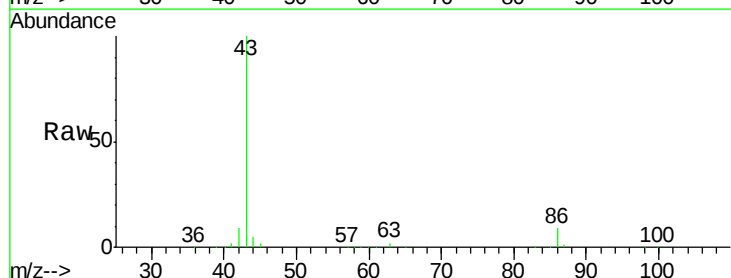
Manual Integrations
APPROVED

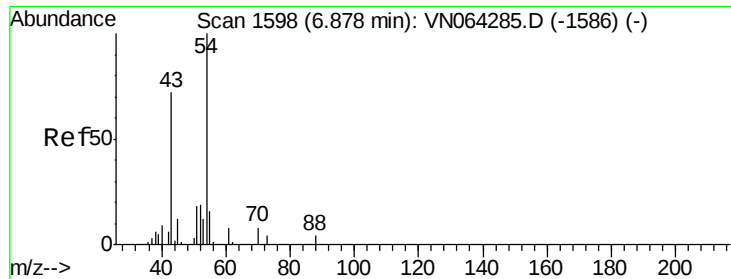
MMDadoda
10/26/2020 1:38:39 PM



#42
Vinyl Acetate
Concen: 74.540 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	43	Resp	555084
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.6	9.8





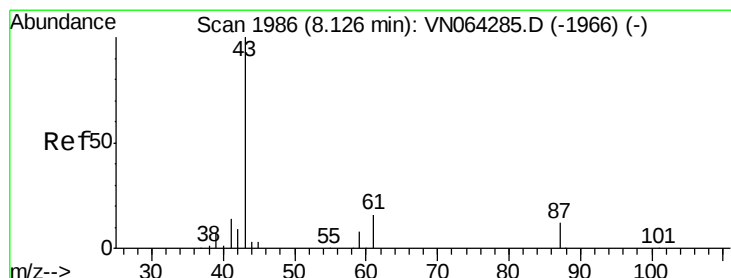
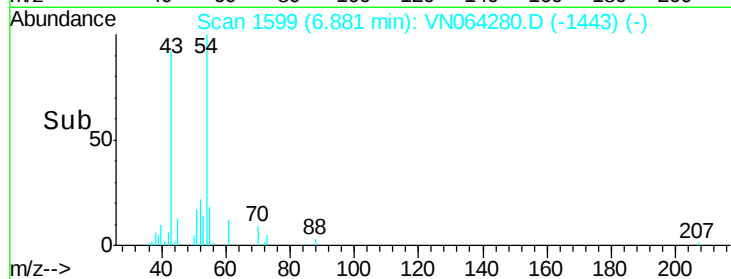
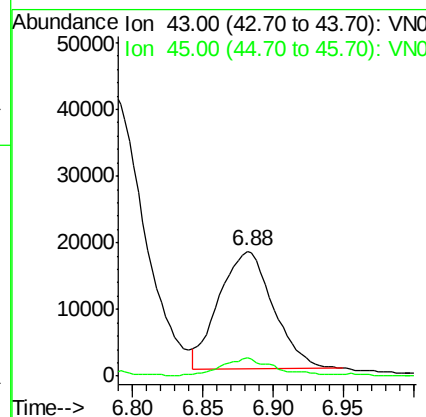
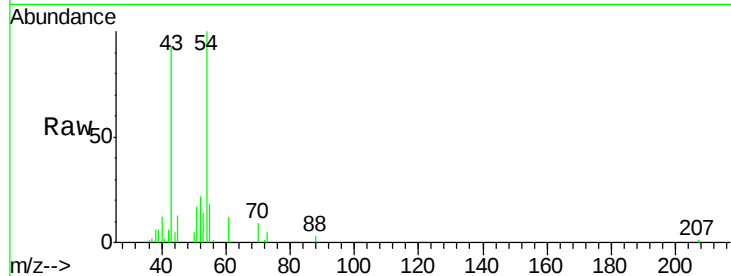
#43
Ethyl Acetate
Concen: 14.024 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 47716
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.4

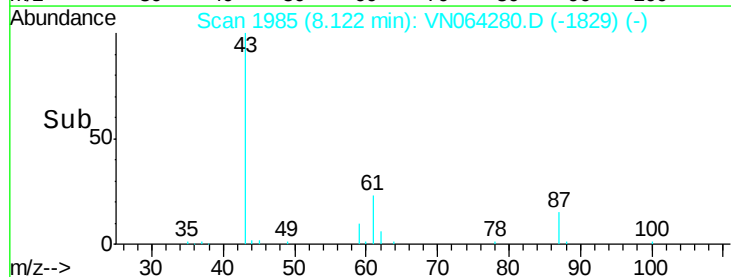
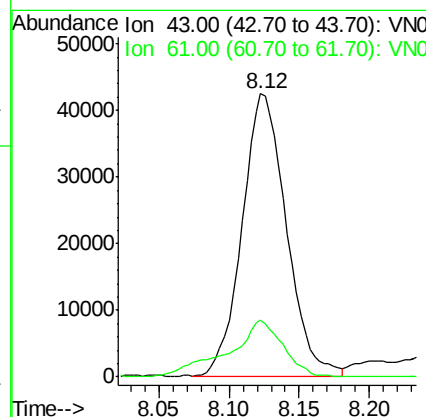
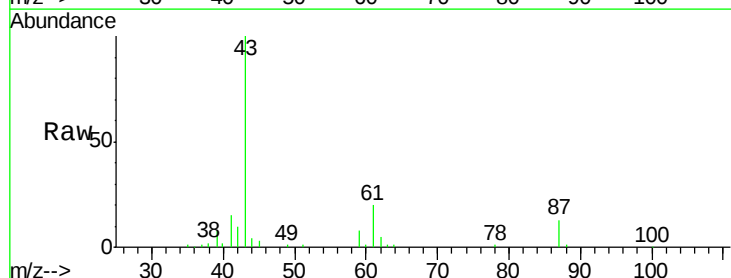
Manual Integrations
APPROVED

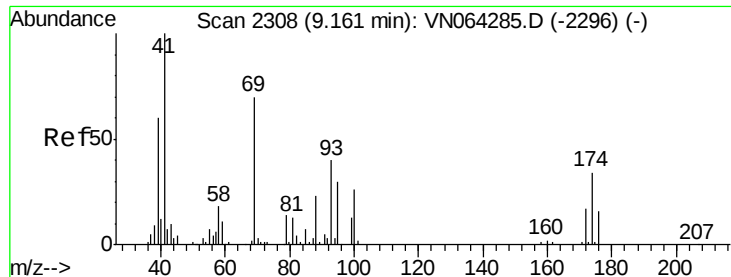
MMDadoda
10/26/2020 1:38:39 PM



#44
Isopropyl Acetate
Concen: 14.228 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion: 43 Resp: 92810
Ion Ratio Lower Upper
43 100
61 24.9 19.9 29.9





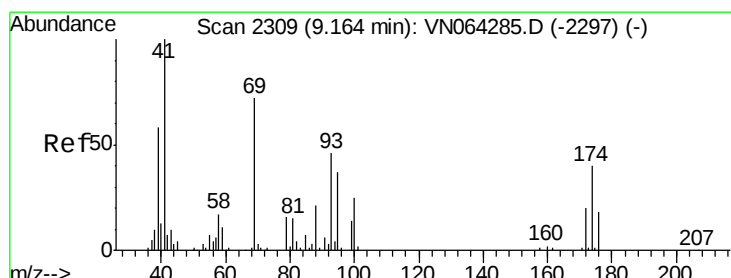
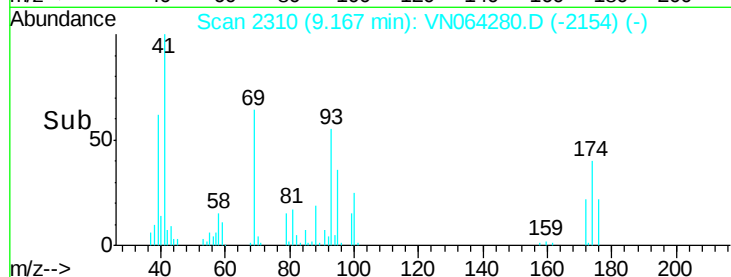
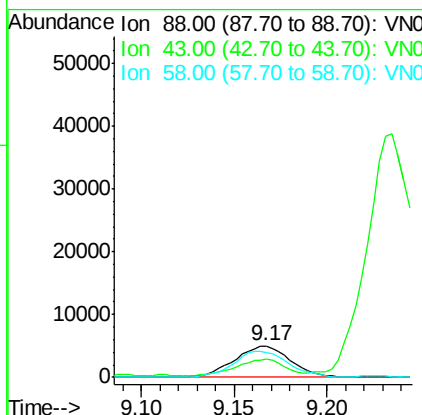
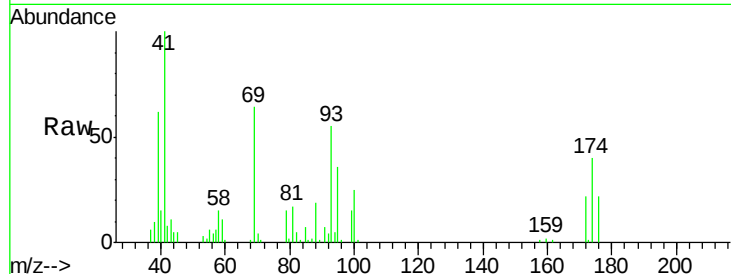
#45
 1,4-Dioxane
 Concen: 270.474 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	88	Resp	10421
Ion	Ratio	Lower	Upper
88	100		
43	43.4	34.7	52.1
58	82.2	65.8	98.6

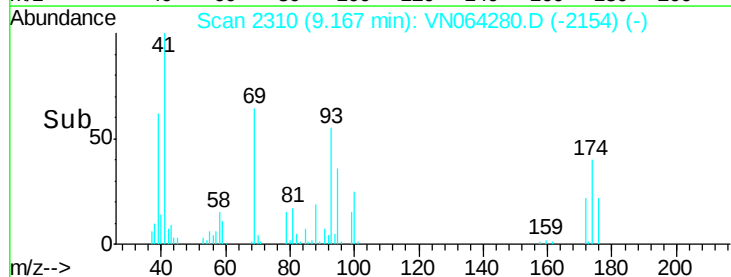
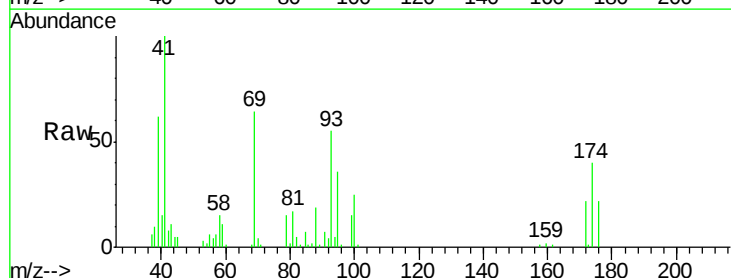
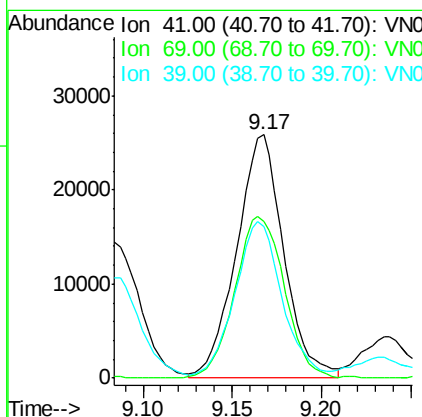
Manual Integrations
 APPROVED

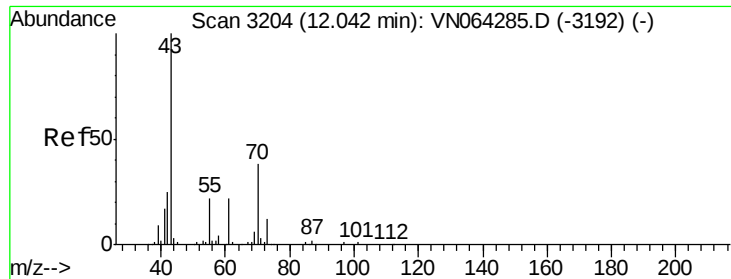
MMDadoda
 10/26/2020 1:38:39 PM



#46
 Methyl methacrylate
 Concen: 15.329 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion	41	Resp	47993
Ion	Ratio	Lower	Upper
41	100		
69	65.1	32.6	97.7
39	62.2	31.1	93.3





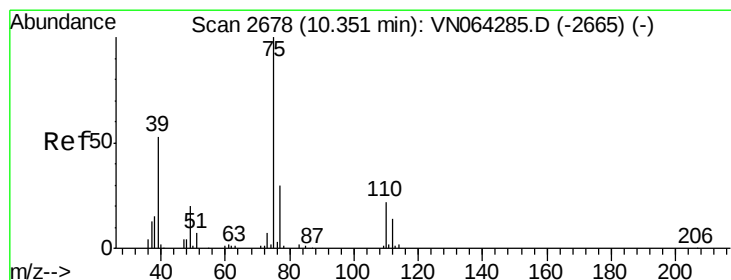
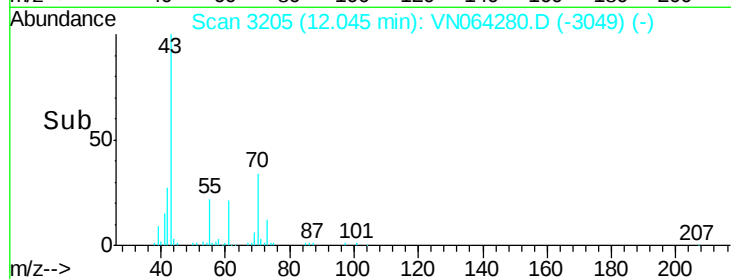
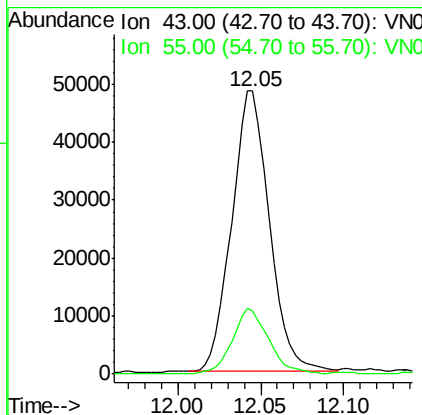
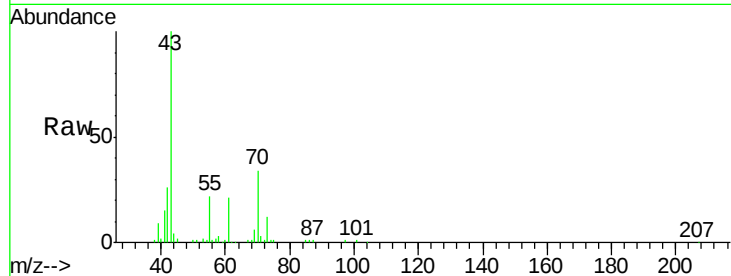
#47
n-amvl Acetate
Concen: 13.224 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 76541
Ion Ratio Lower Upper
43 100
55 22.7 18.2 27.2

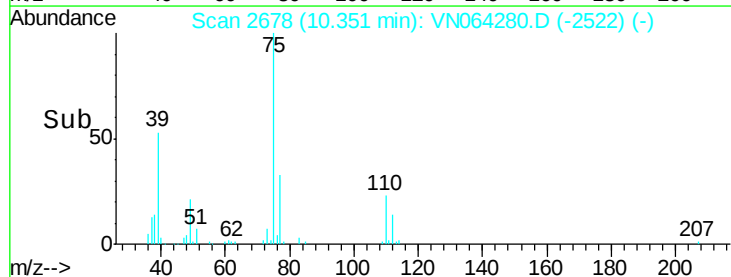
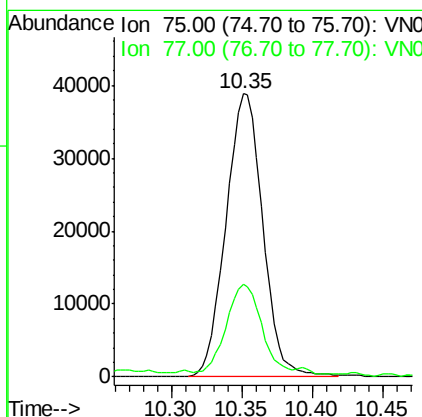
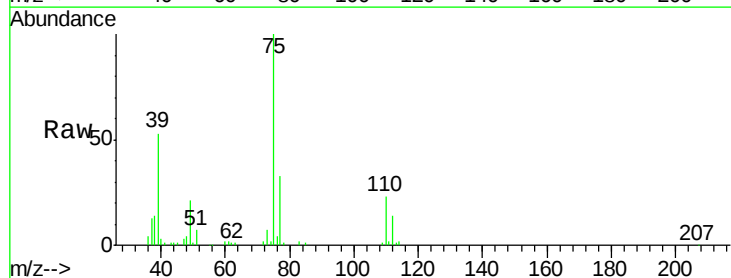
Manual Integrations
APPROVED

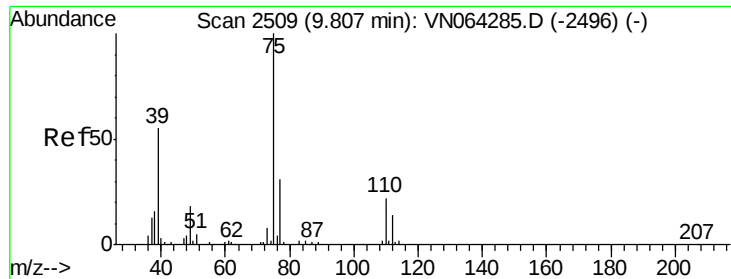
MMDadoda
10/26/2020 1:38:39 PM



#48
t-1,3-Dichloropropene
Concen: 14.775 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion: 75 Resp: 70925
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 14.337 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

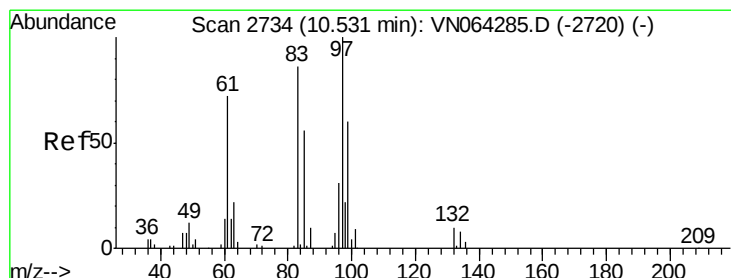
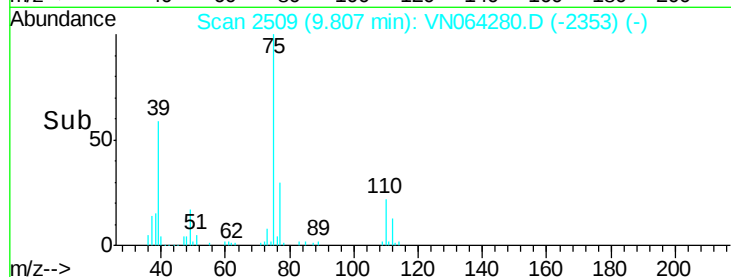
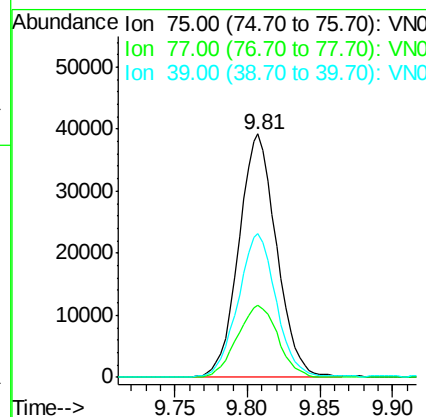
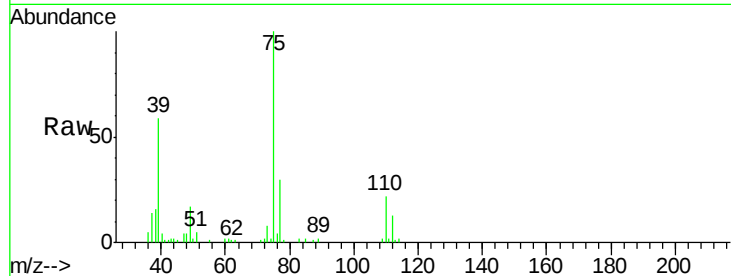
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	70859
Ion	Ratio	Lower	Upper
75	100		
77	29.6	23.7	35.5
39	58.6	46.9	70.3

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#50

1,1,2-Trichloroethane

Concen: 14.838 ug/l

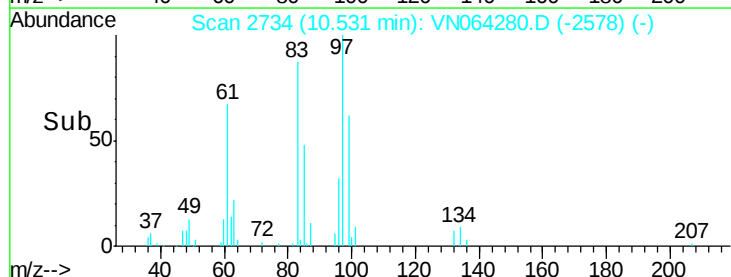
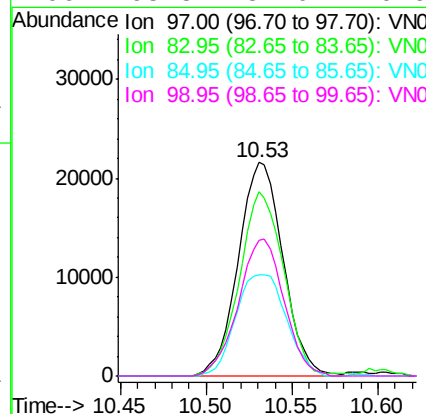
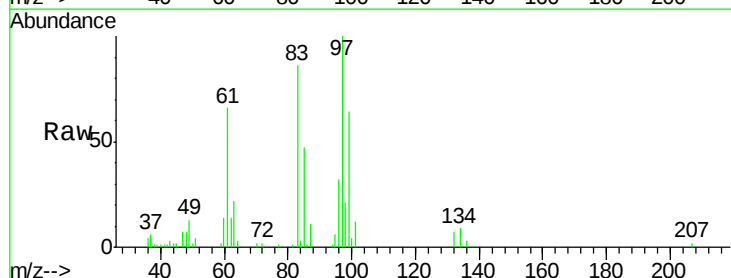
RT: 10.53 min Scan# 2734

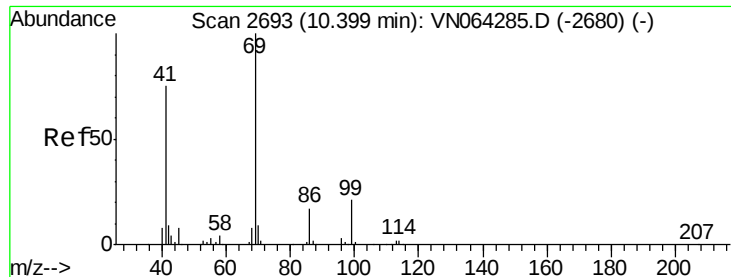
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	97	Resp:	38977
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	47.3	37.8	56.8
99	63.8	51.0	76.6





#51

Ethyl methacrylate

Concen: 13.299 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

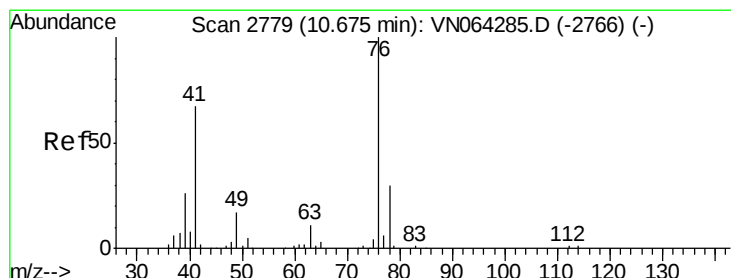
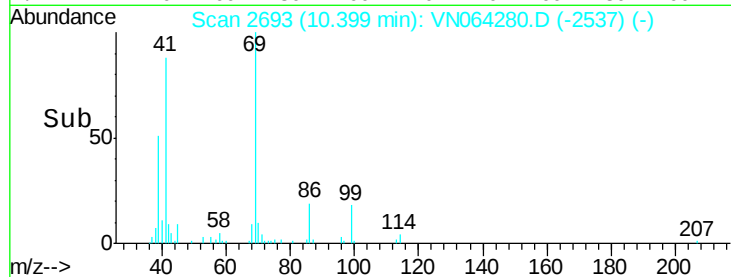
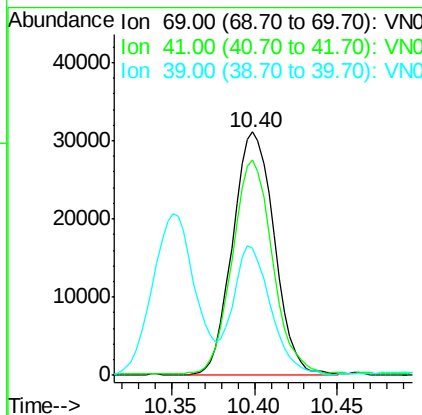
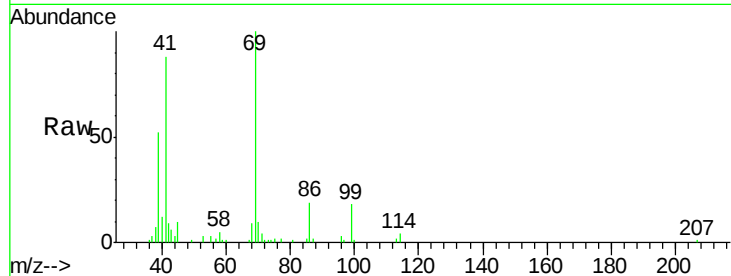
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	54539
Ion	Ratio	Lower	Upper
69	100		
41	87.3	43.6	130.9
39	51.5	25.8	77.3

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#52

1,3-Dichloropropane

Concen: 14.766 ug/l

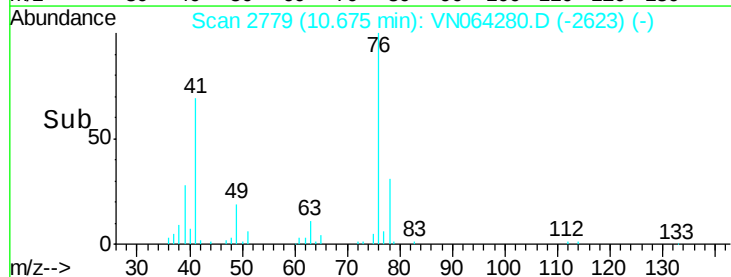
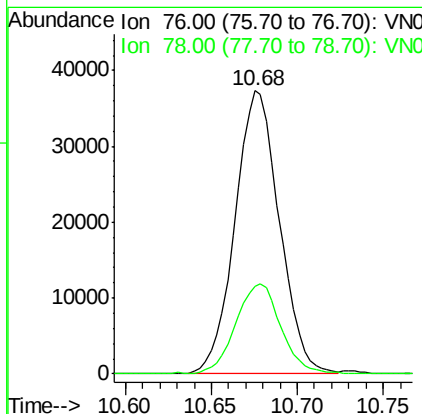
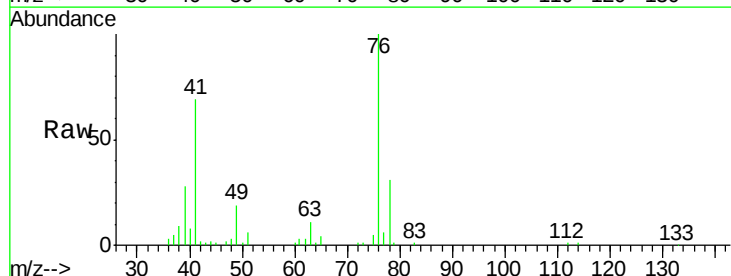
RT: 10.68 min Scan# 2779

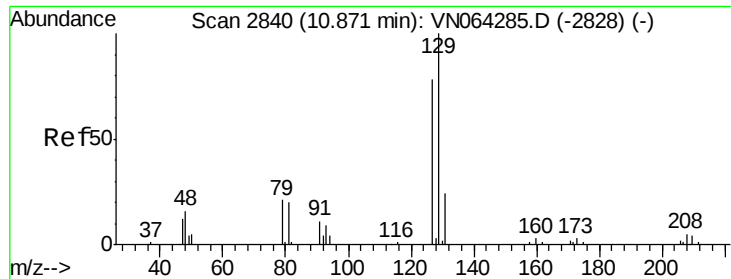
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	76	Resp:	67059
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.6





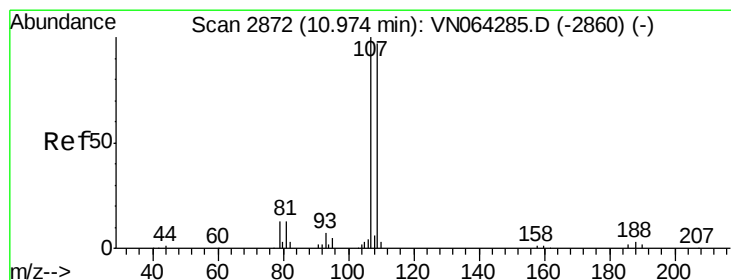
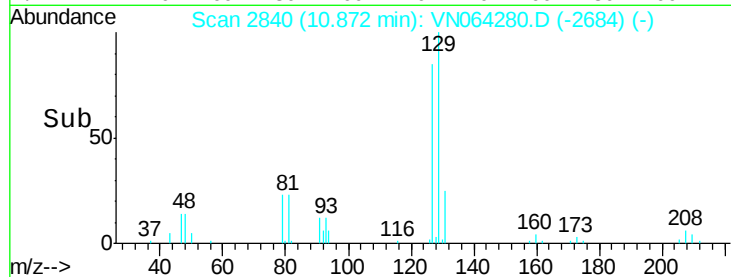
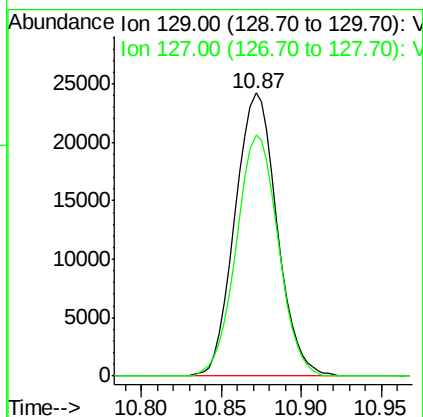
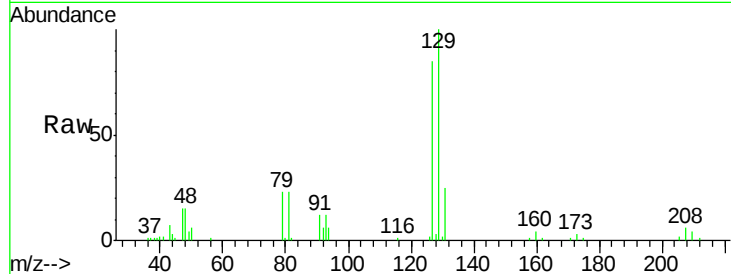
#53
 Dibromochloromethane
 Concen: 13.314 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:129 Resp: 43411
 Ion Ratio Lower Upper
 129 100
 127 84.8 42.4 127.2

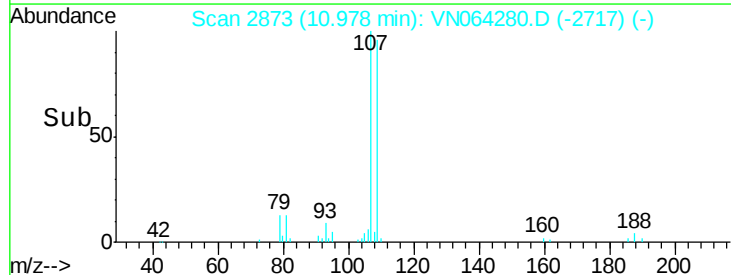
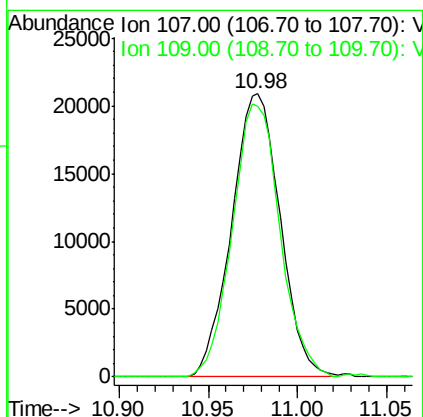
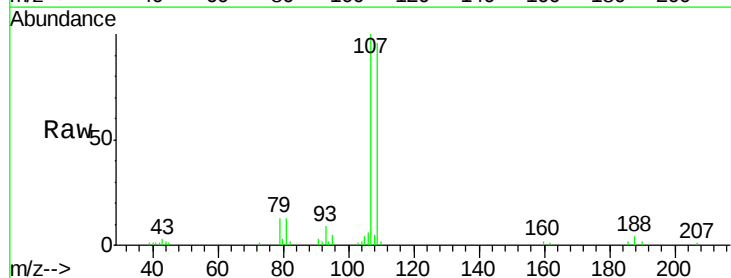
Manual Integrations
 APPROVED

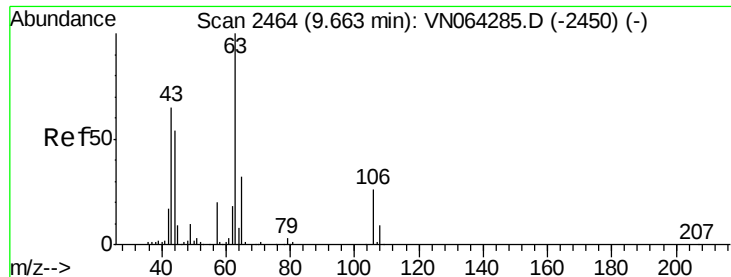
MMDadoda
 10/26/2020 1:38:39 PM



#54
 1,2-Dibromoethane
 Concen: 14.301 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion:107 Resp: 39758
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5





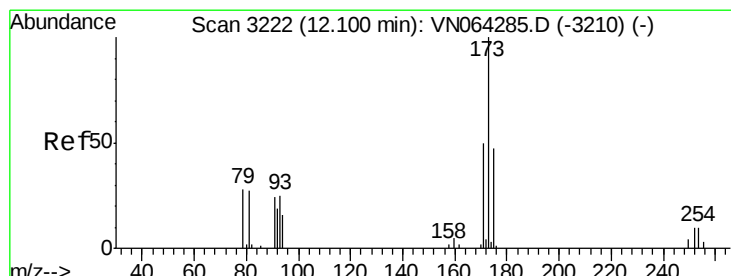
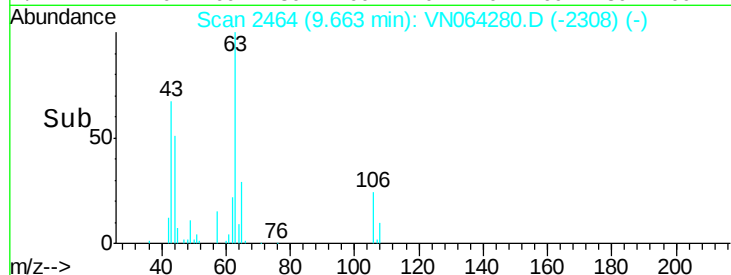
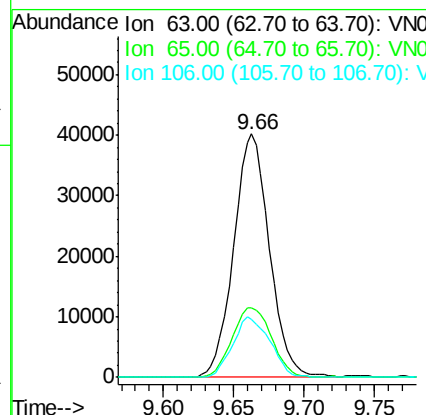
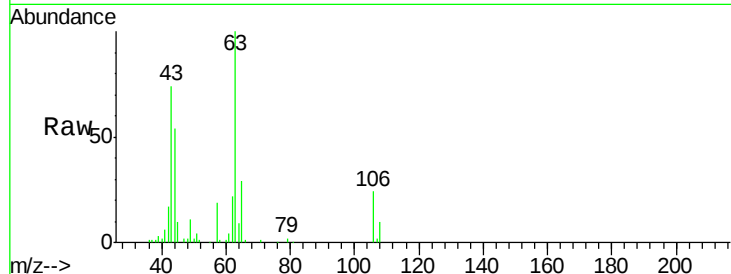
#55
2-Chloroethyl vinyl ether
Concen: 38.150 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.2	37.8
106	25.8	20.6	31.0

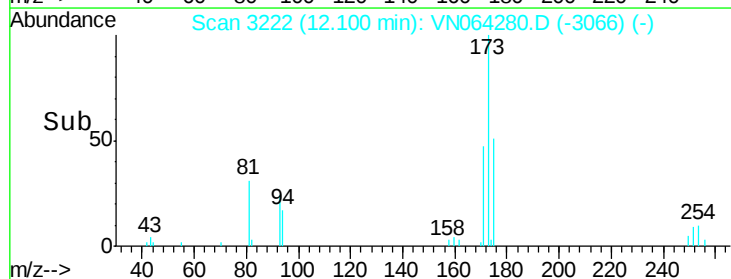
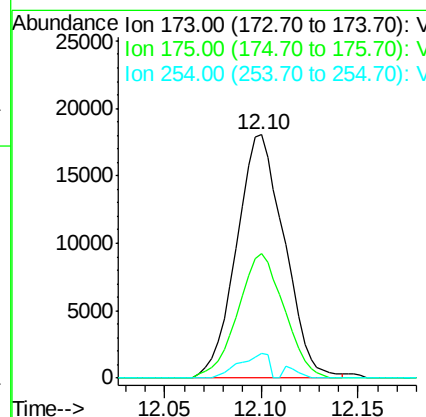
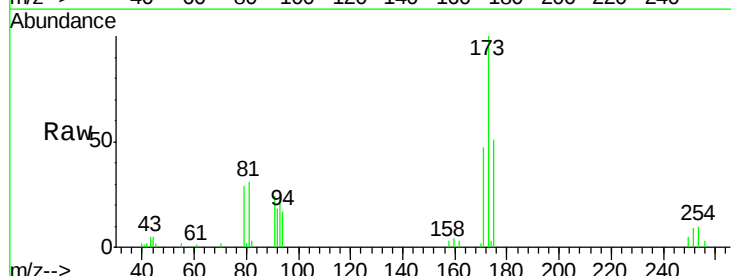
Manual Integrations
APPROVED

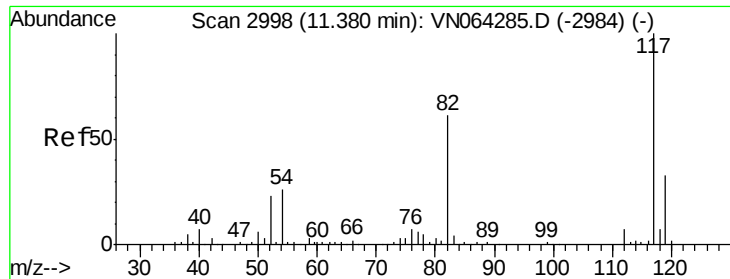
MMDadoda
10/26/2020 1:38:39 PM



#56
Bromoform
Concen: 13.600 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.5	59.3
254	6.2	5.0	7.4





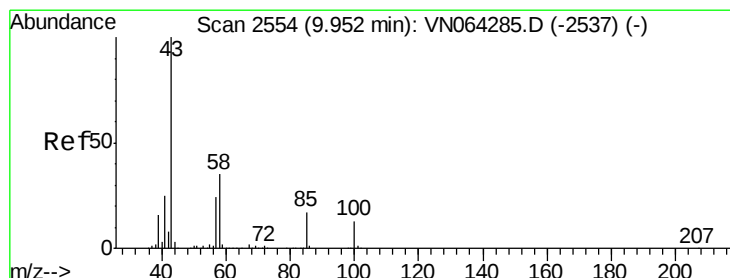
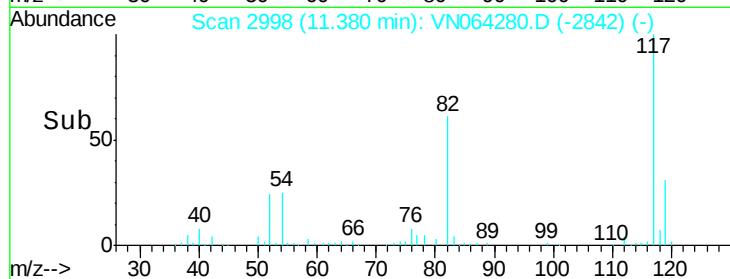
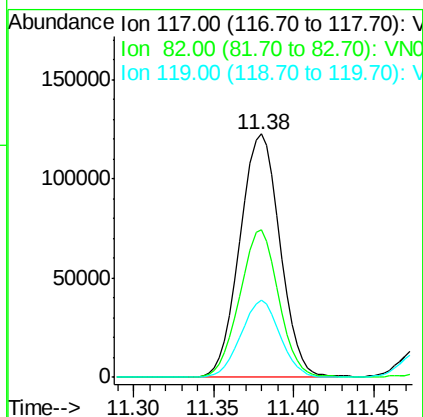
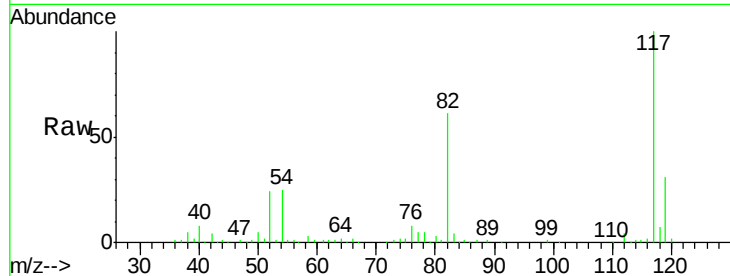
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.0	70.6
119	30.8	24.6	37.0

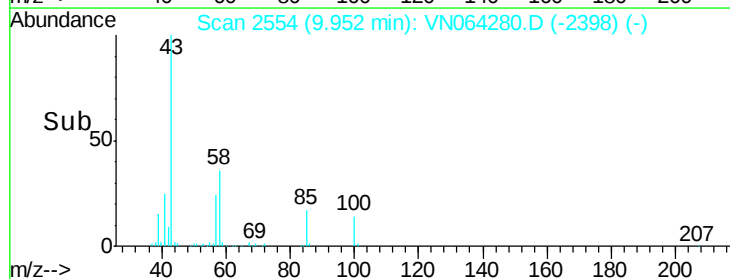
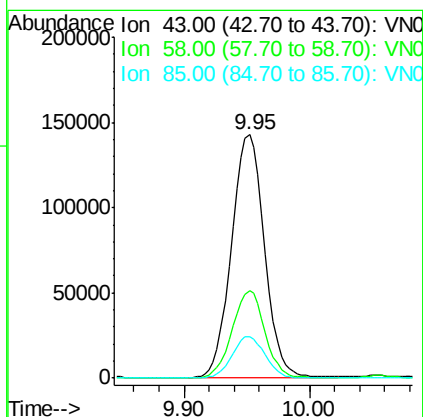
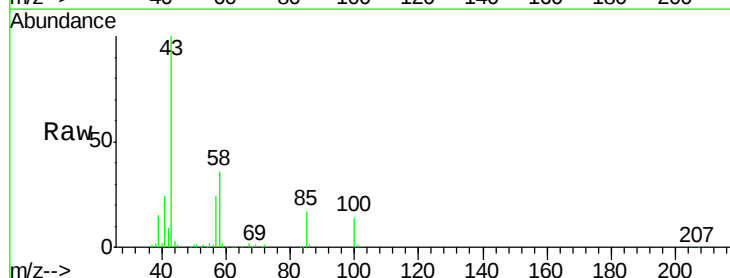
Manual Integrations
APPROVED

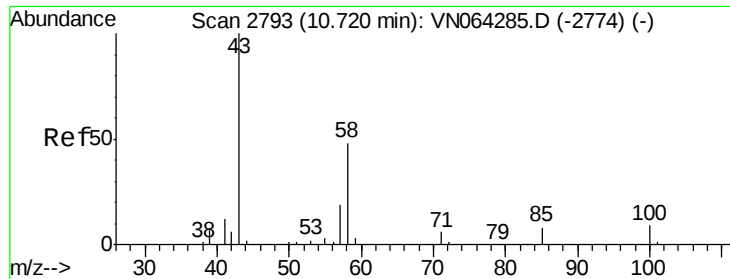
MMDadoda
10/26/2020 1:38:39 PM



#58
4-Methyl-2-Pentanone
Concen: 74.961 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	43.0
85	17.1	13.7	20.5





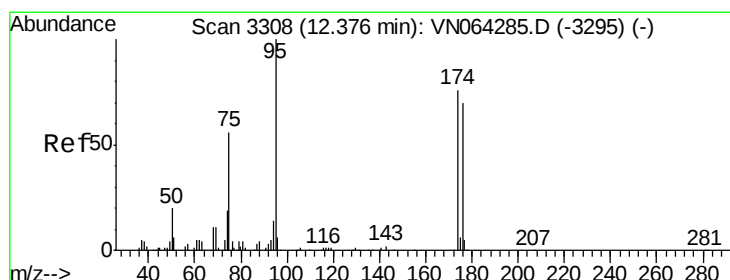
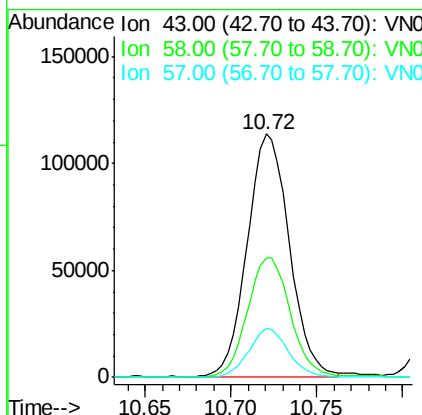
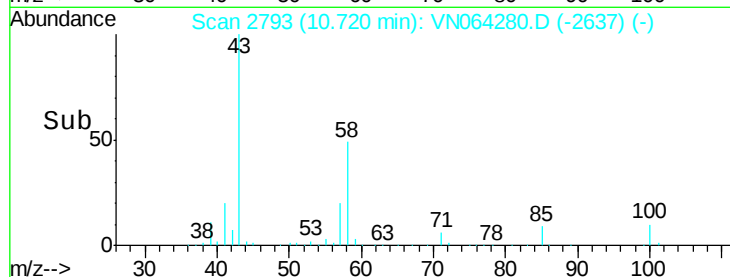
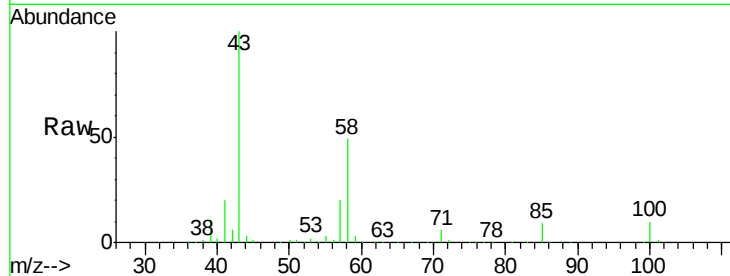
#59
2-Hexanone
Concen: 74.550 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.5	60.7
57	19.2	15.4	23.0

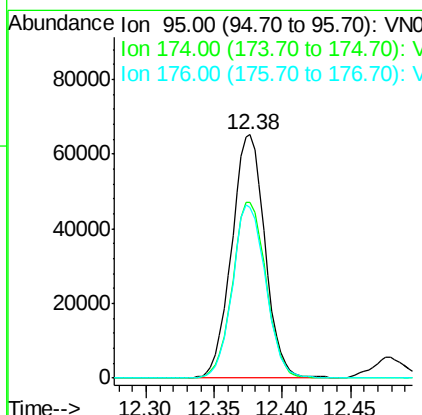
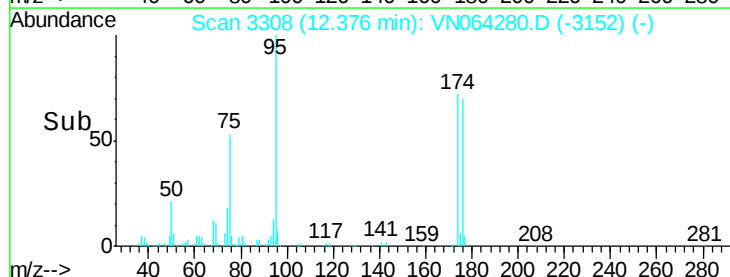
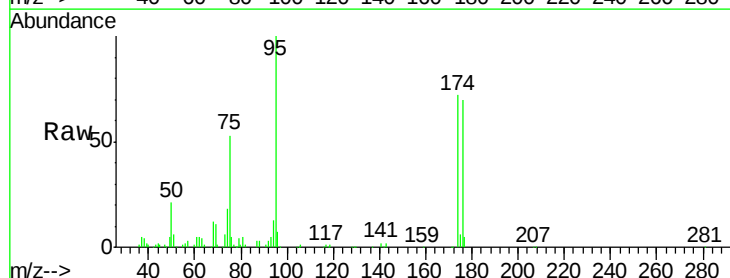
Manual Integrations
APPROVED

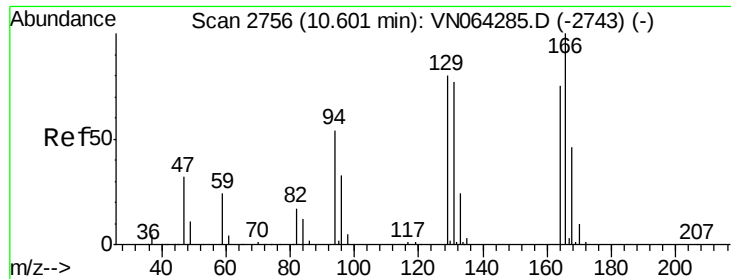
MMDadoda
10/26/2020 1:38:39 PM



#60
4-Bromofluorobenzene
Concen: 29.535 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	57.9	86.9
176	70.9	56.7	85.1





#61

Tetrachloroethene

Concen: 15.143 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 41777

Ion Ratio Lower Upper

164 100

166 134.2 107.4 161.0

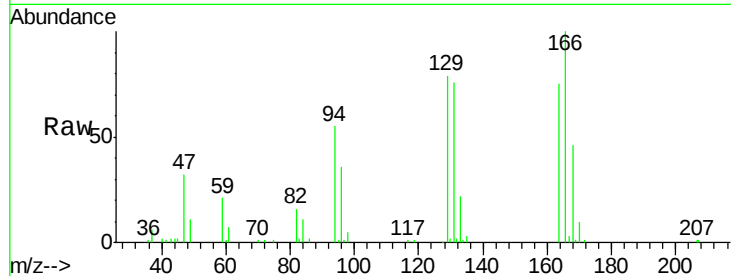
129 105.4 84.3 126.5

131 101.4 81.1 121.7

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:38:39 PM

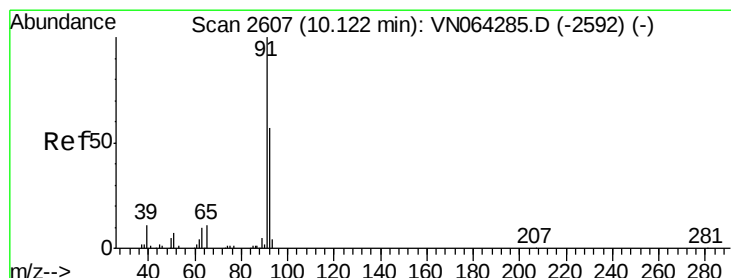
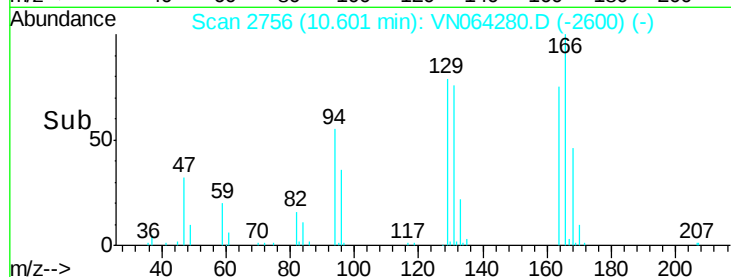
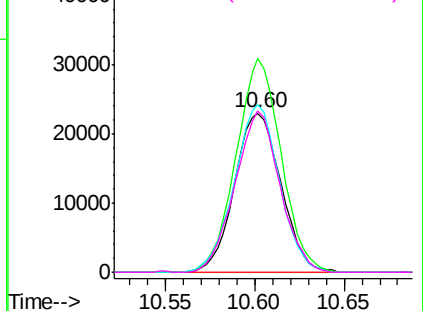


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 14.631 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064280.D

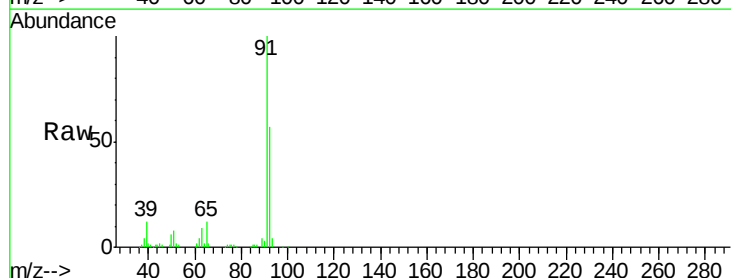
Acq: 23 Oct 2020 10:22

Tgt Ion: 91 Resp: 170147

Ion Ratio Lower Upper

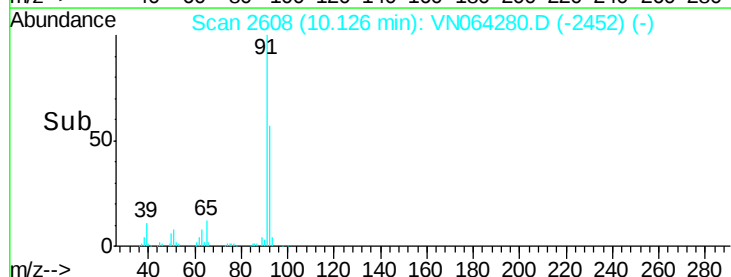
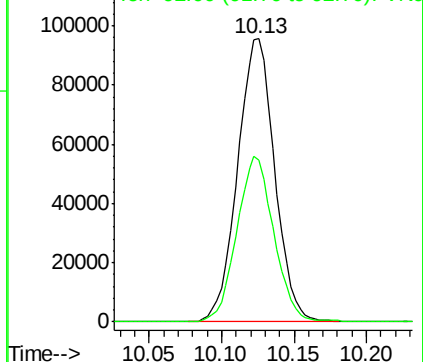
91 100

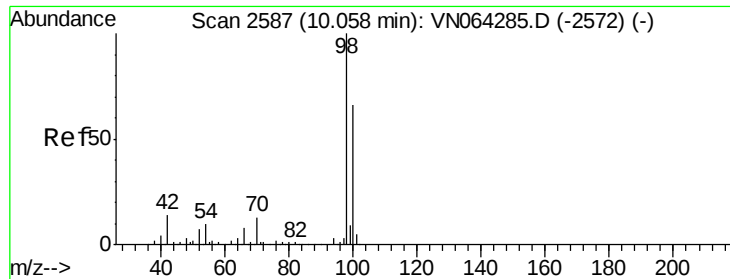
92 58.0 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





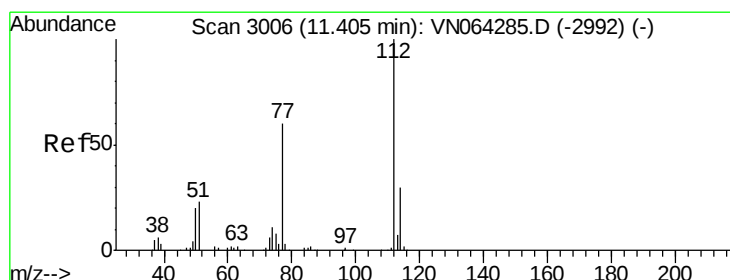
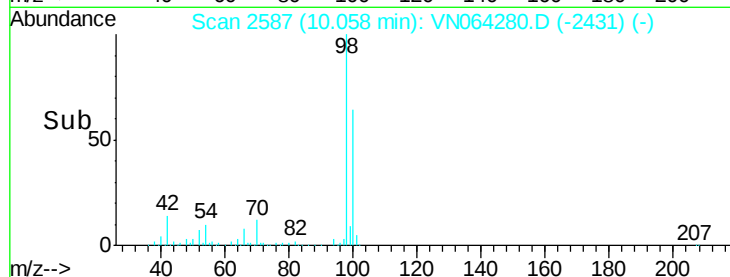
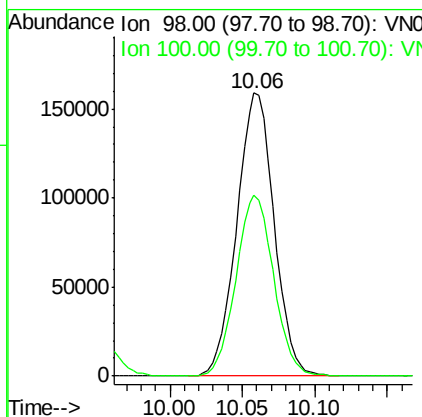
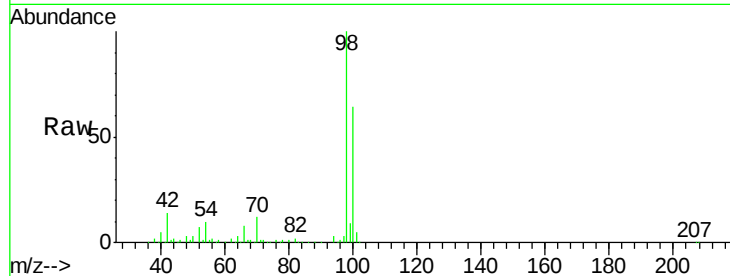
#63
Toluene-d8
Concen: 29.953 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 284676
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

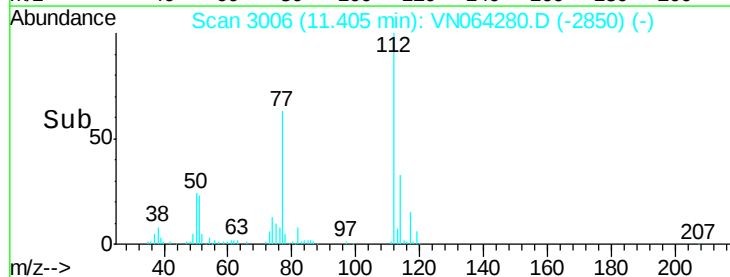
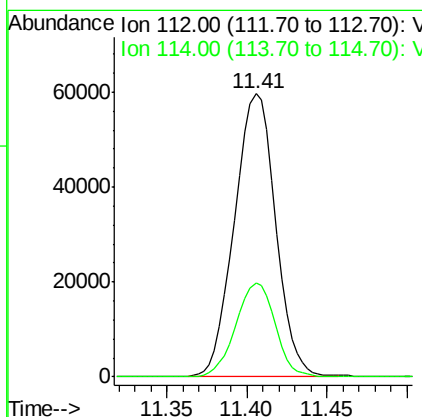
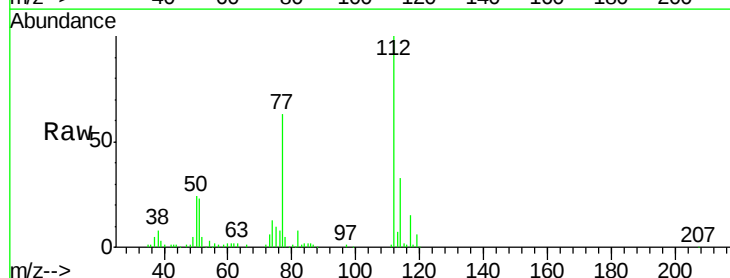
Manual Integrations
APPROVED

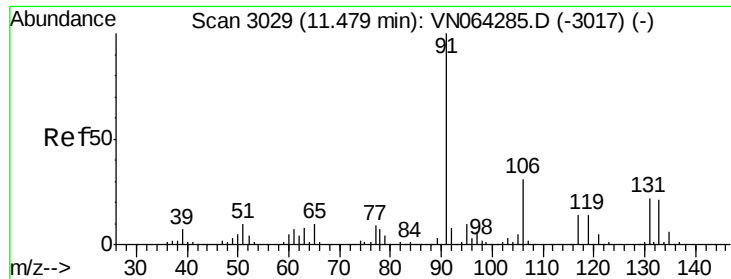
MMDadoda
10/26/2020 1:38:39 PM



#64
Chlorobenzene
Concen: 14.491 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion: 112 Resp: 104736
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7





#65

1,1,1,2-Tetrachloroethane

Concen: 14.775 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:131 Resp: 42092

Ion Ratio Lower Upper

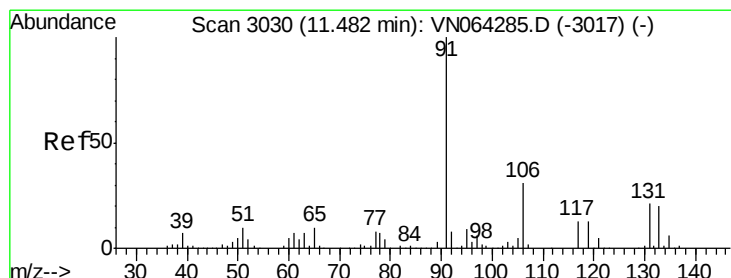
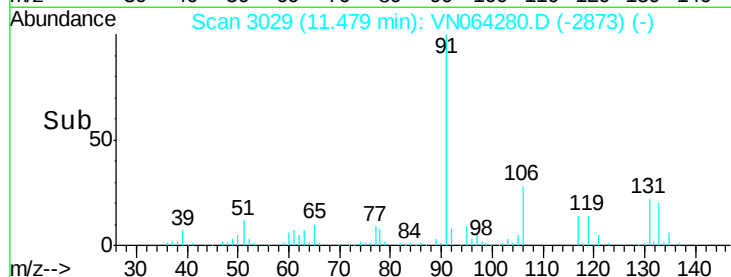
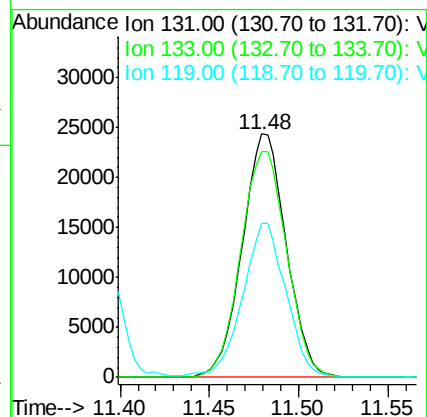
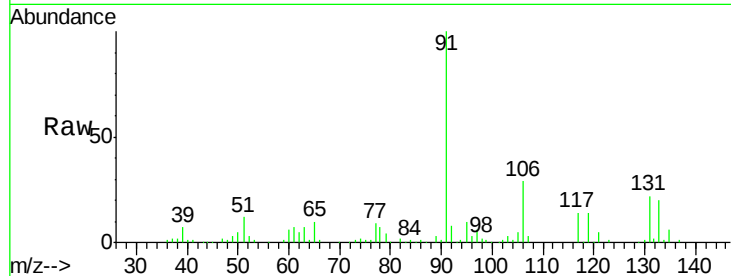
131 100

133 96.7 0.0 193.4

119 62.6 0.0 125.2

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#66

Ethyl Benzene

Concen: 14.549 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064280.D

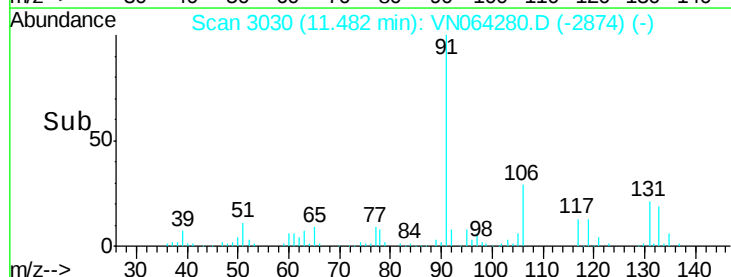
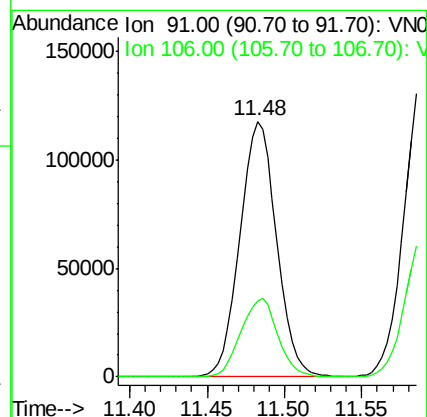
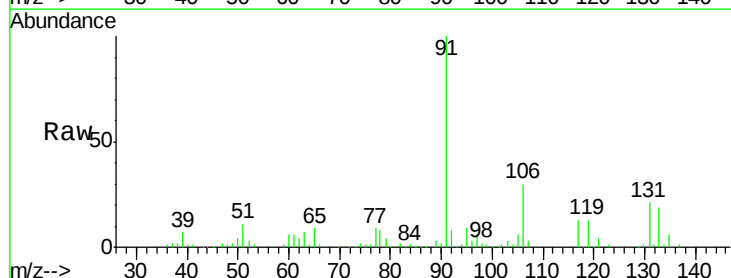
Acq: 23 Oct 2020 10:22

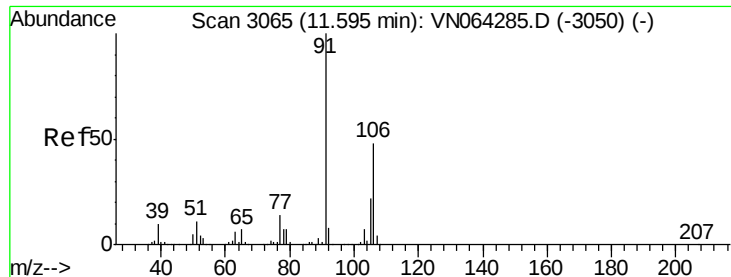
Tgt Ion: 91 Resp: 193928

Ion Ratio Lower Upper

91 100

106 29.7 23.8 35.6





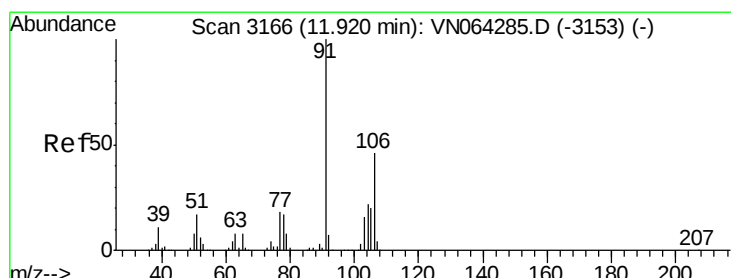
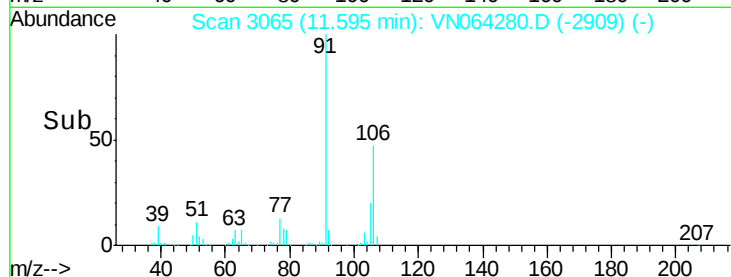
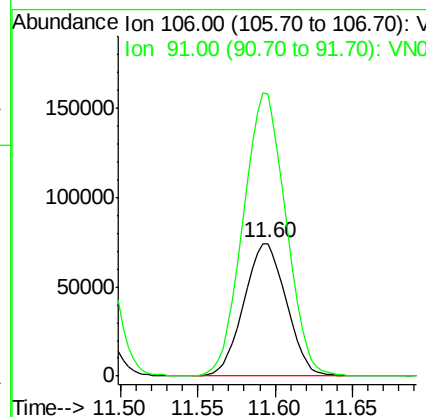
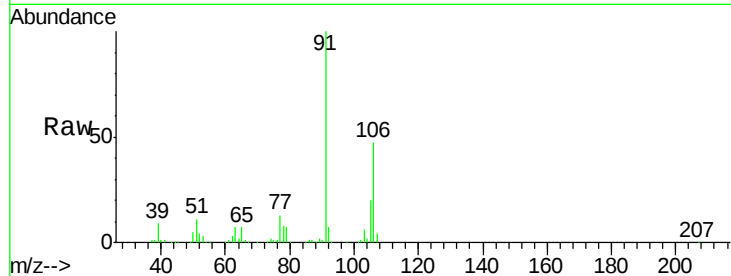
#67
m/p-Xylenes
Concen: 28.706 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	213.2	170.6	255.8

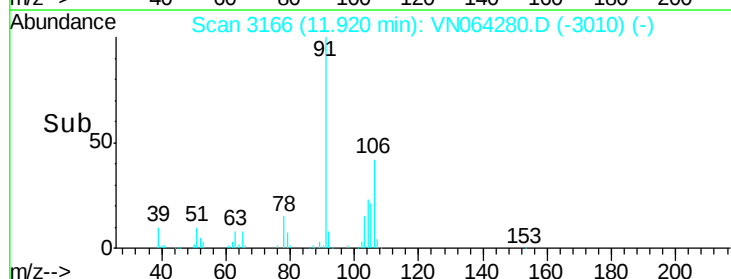
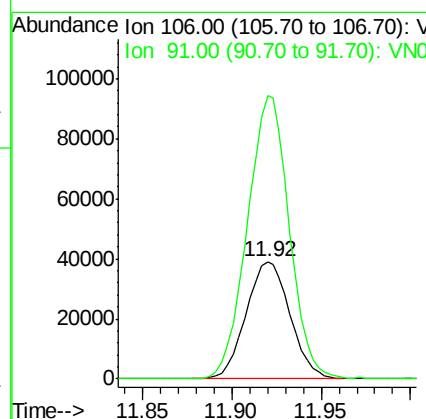
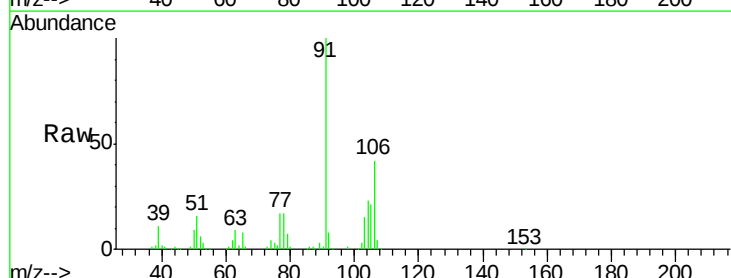
Manual Integrations
APPROVED

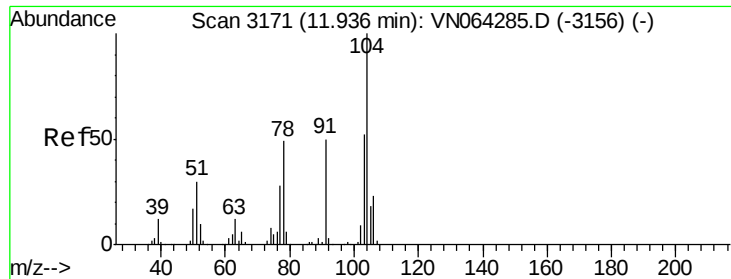
MMDadoda
10/26/2020 1:38:39 PM



#68
o-Xylene
Concen: 13.933 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	230.7	115.3	346.0





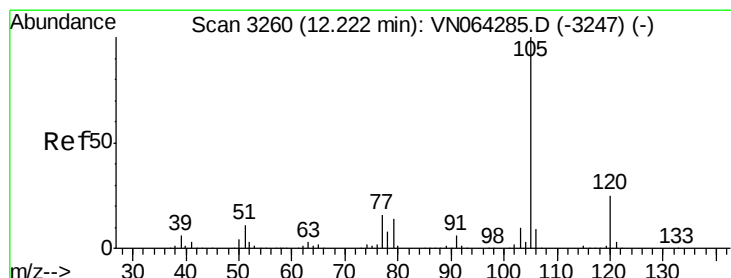
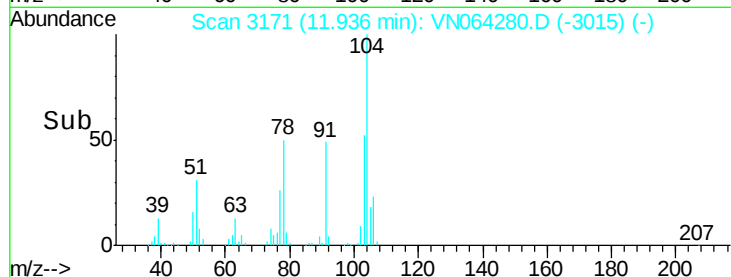
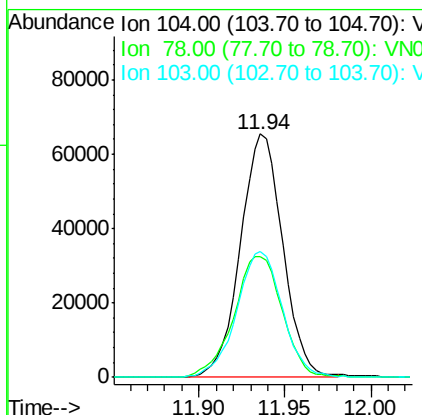
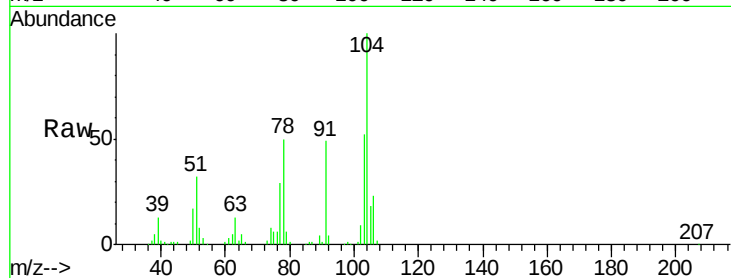
#69
Stvrene
Concen: 13.809 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.8	45.4	68.2
103	55.8	44.6	67.0

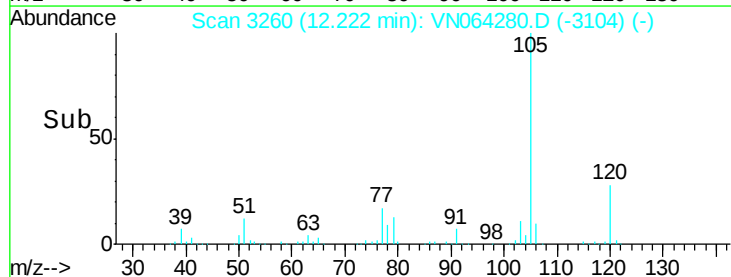
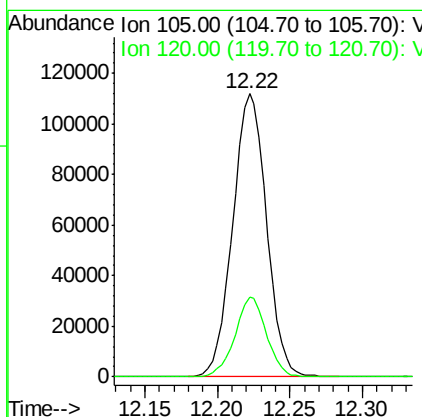
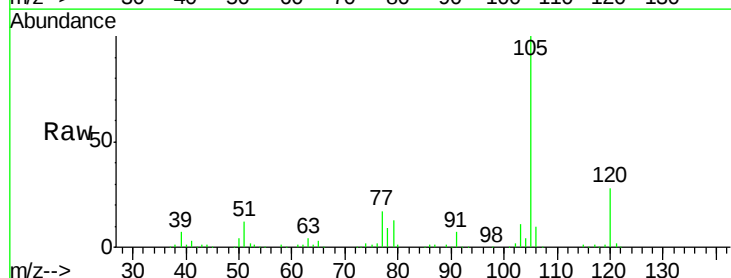
Manual Integrations
APPROVED

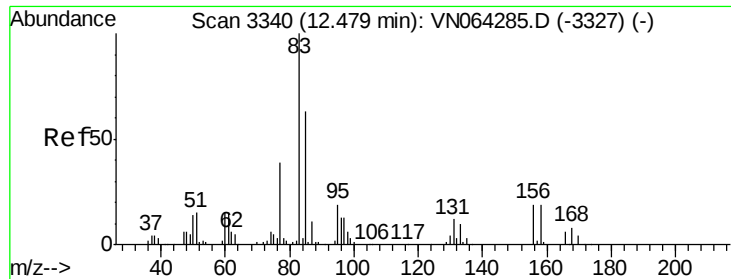
MMDadoda
10/26/2020 1:38:39 PM



#70
Isopropylbenzene
Concen: 14.261 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.5





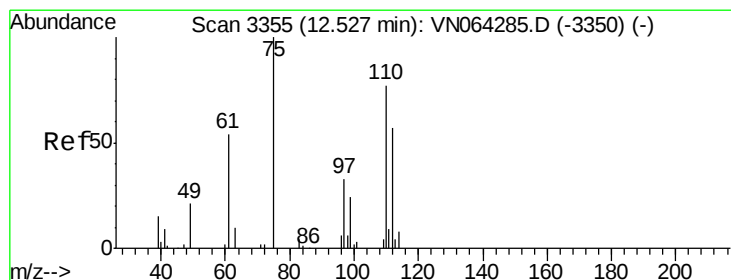
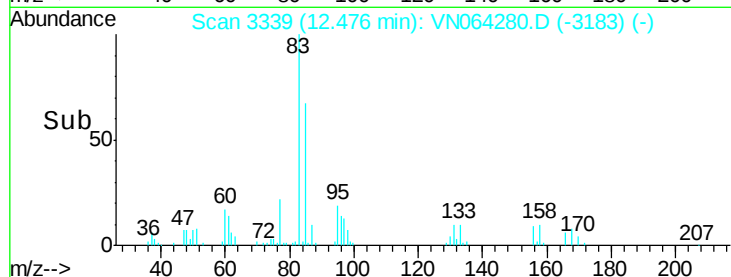
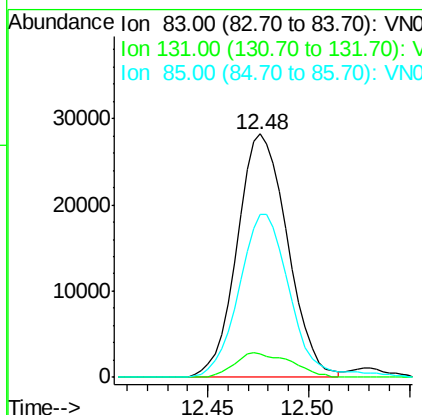
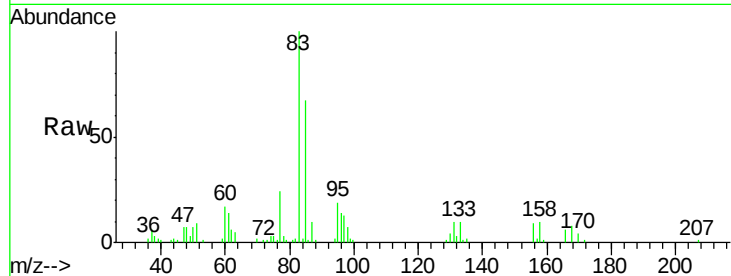
#71
 1,1,2,2-Tetrachloroethane
 Concen: 14.156 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	49364
Ion Ratio	100	Lower	Upper
83	100		
131	11.3	5.7	17.0
85	66.5	33.3	99.8

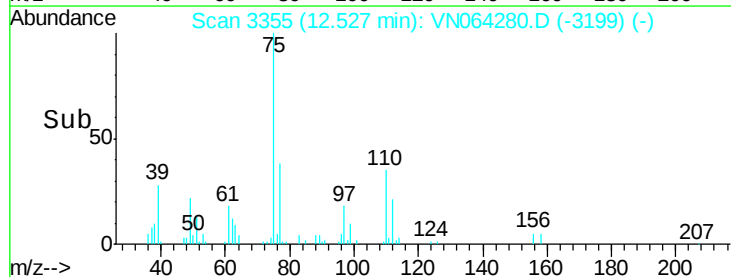
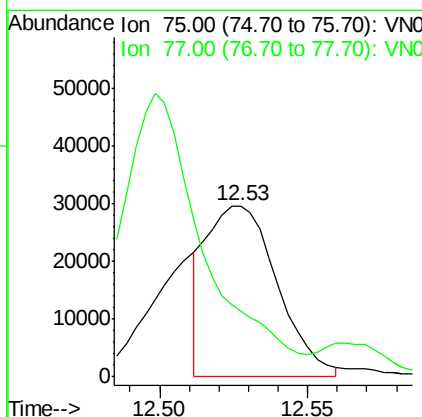
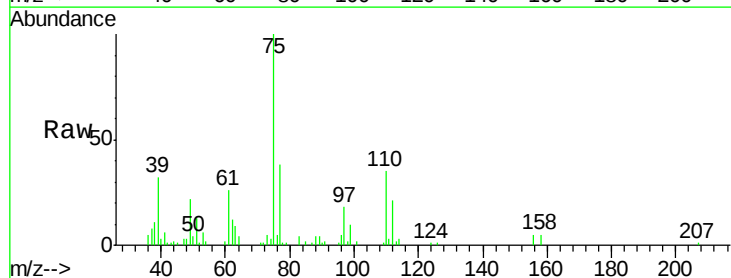
Manual Integrations
 APPROVED

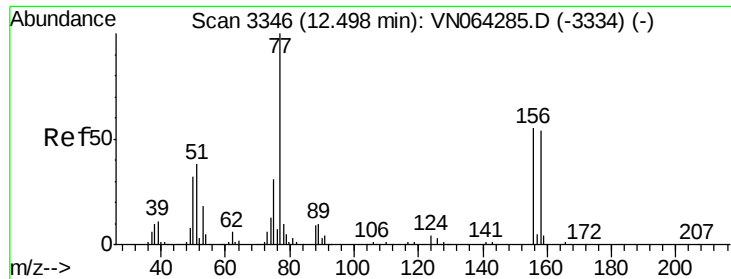
MMDadoda
 10/26/2020 1:38:39 PM



#72
 1,2,3-Trichloropropane
 Concen: 13.473 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion	75	Resp	49497
Ion Ratio	100	Lower	Upper
75	100		
77	198.1	0.0	365.2





#73

Bromobenzene

Concen: 14.282 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

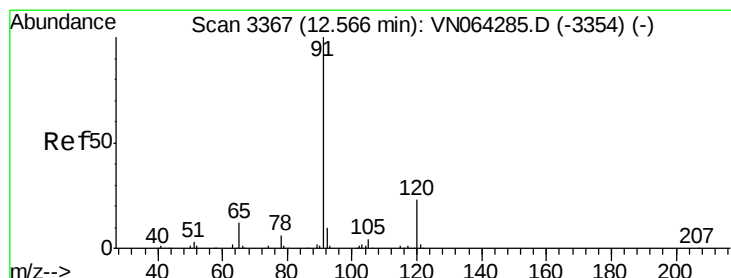
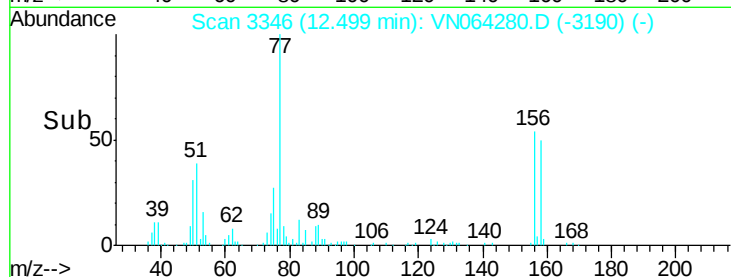
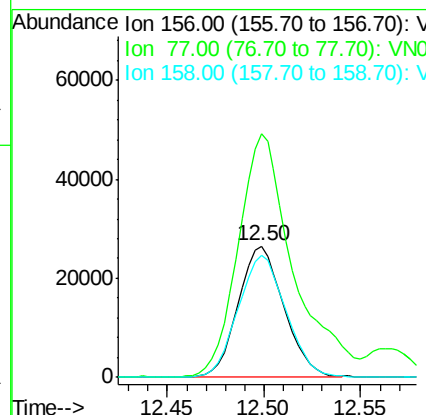
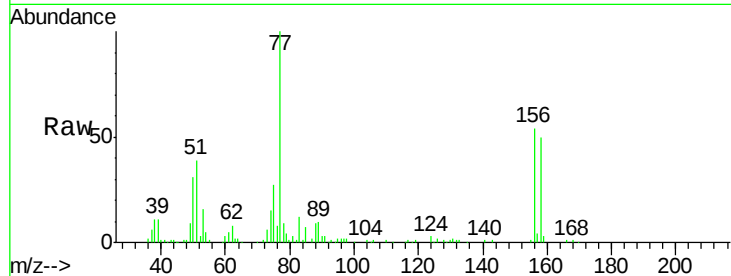
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	43556
Ion	Ratio	Lower	Upper
156	100		
77	225.1	0.0	450.2
158	97.4	0.0	194.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#74

n-propylbenzene

Concen: 14.456 ug/l

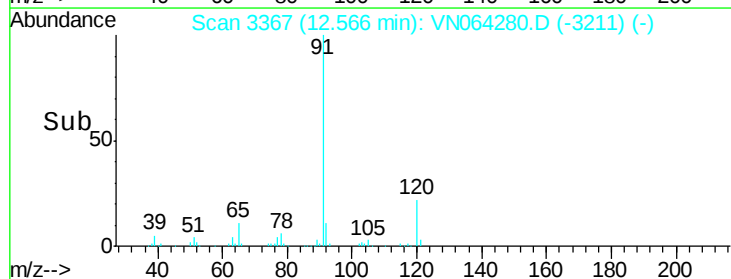
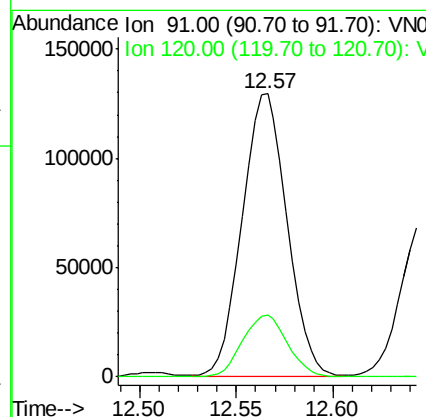
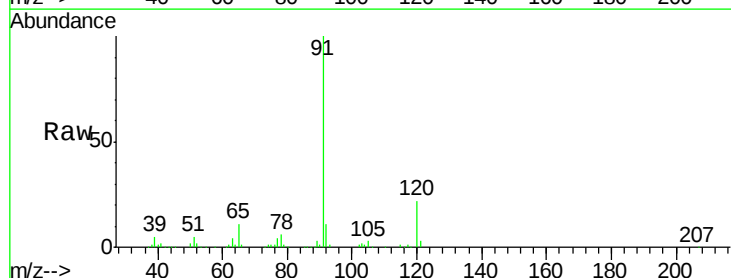
RT: 12.57 min Scan# 3367

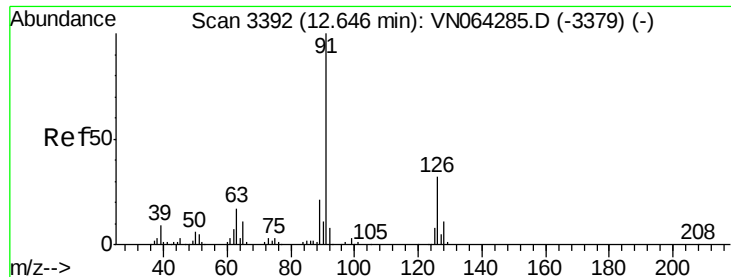
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	91	Resp:	210179
Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	43.6





#75

2-Chlorotoluene

Concen: 14.112 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 126641

Ion Ratio Lower Upper

91 100

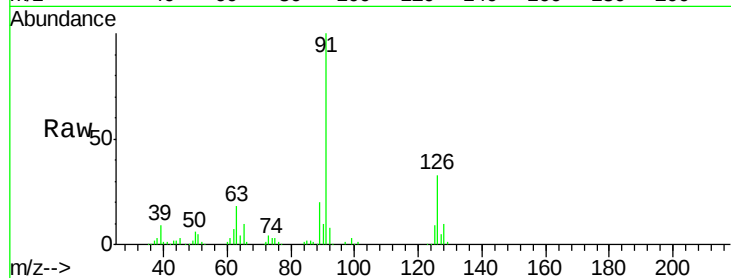
126 31.4 0.0 62.8

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:38:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064280.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN064280.D (-3379) (-)

150000

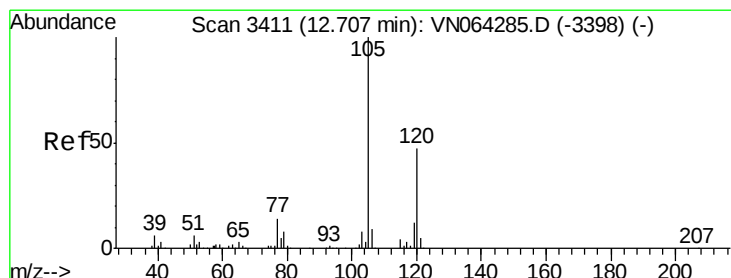
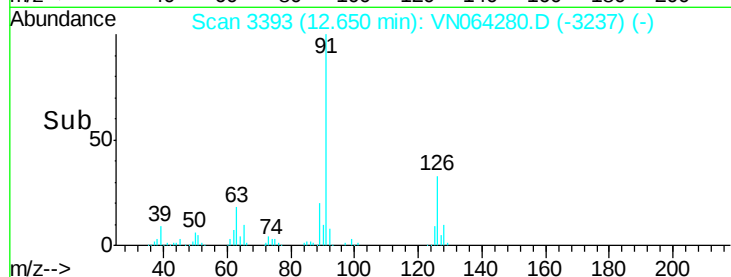
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 14.223 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064280.D

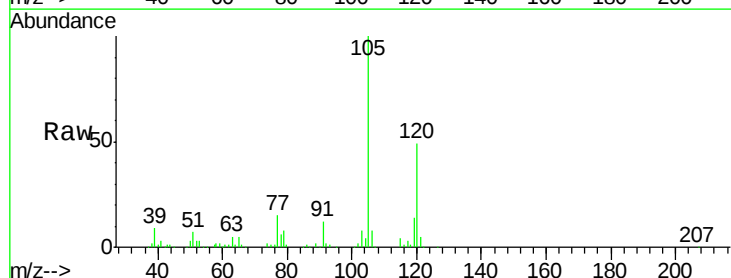
Acq: 23 Oct 2020 10:22

Tgt Ion: 105 Resp: 153900

Ion Ratio Lower Upper

105 100

120 46.4 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064280.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064280.D (-3398) (-)

100000

80000

60000

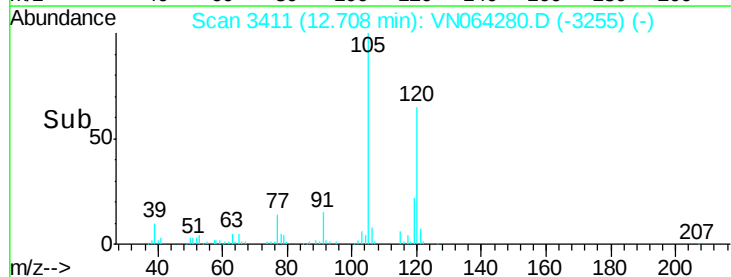
40000

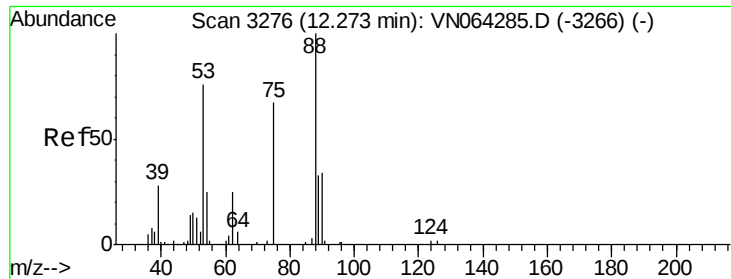
20000

0

12.65 12.70 12.75

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 14.242 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

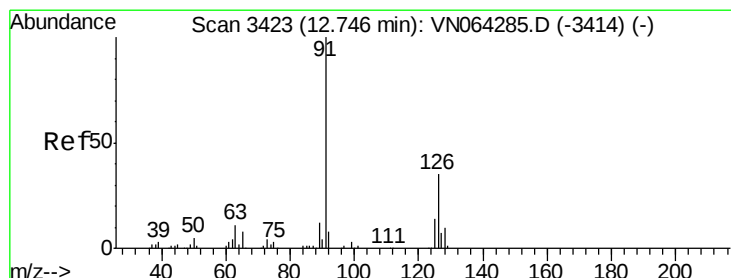
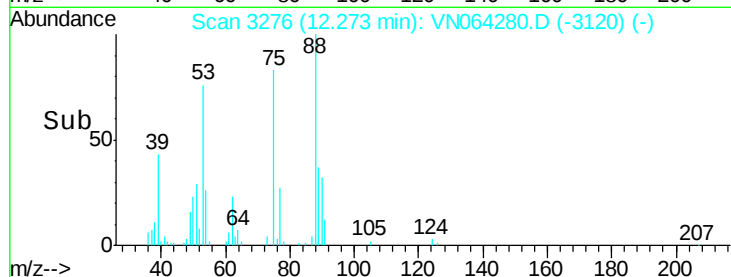
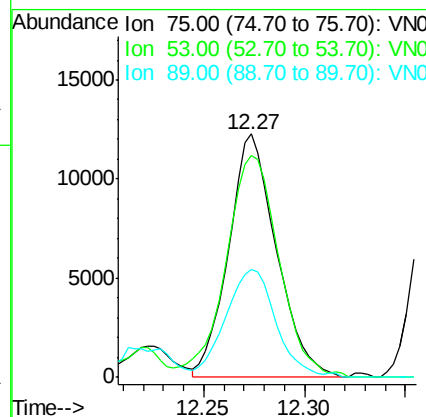
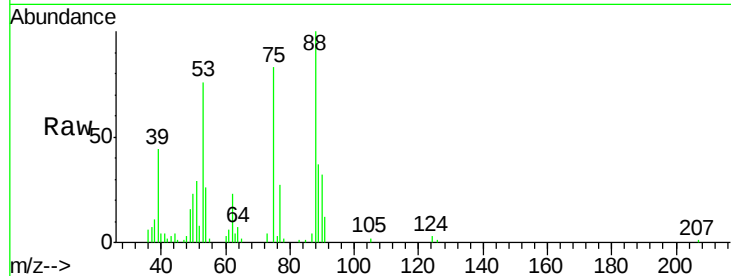
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	20330
Ion	Ratio	Lower	Upper
75	100		
53	89.5	44.8	134.3
89	44.4	22.2	66.6

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#78

4-Chlorotoluene

Concen: 14.210 ug/l

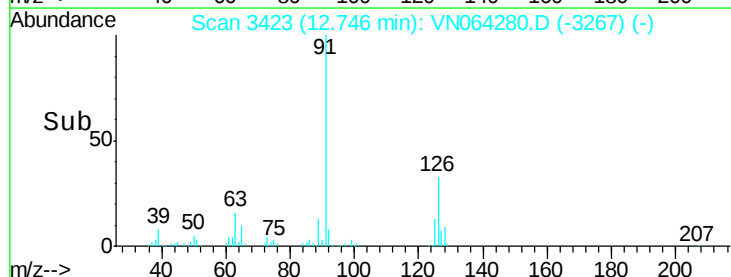
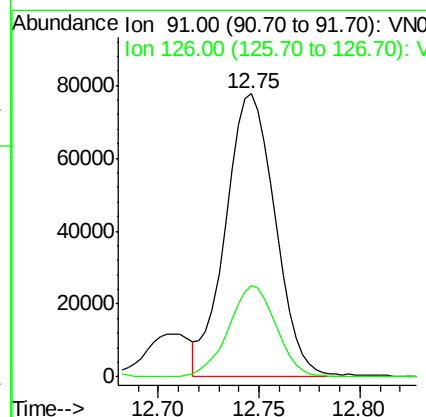
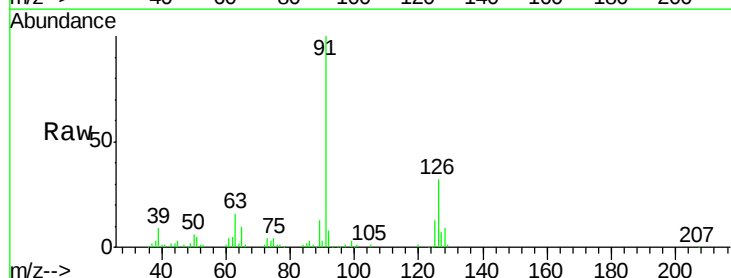
RT: 12.75 min Scan# 3423

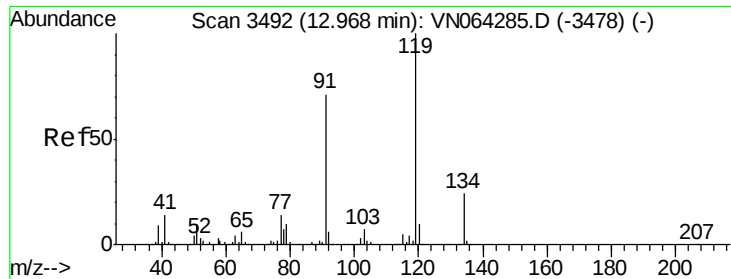
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	91	Resp:	133913
Ion	Ratio	Lower	Upper
91	100		
126	31.1	0.0	62.2





#79

tert-butylbenzene

Concen: 14.434 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

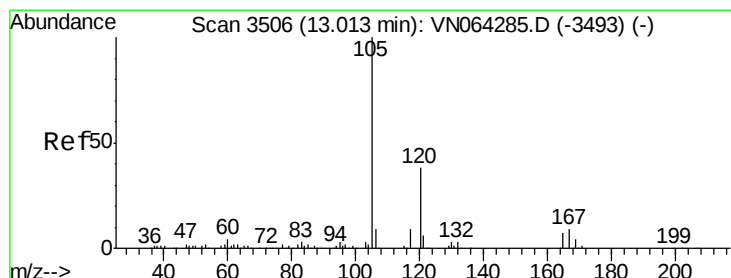
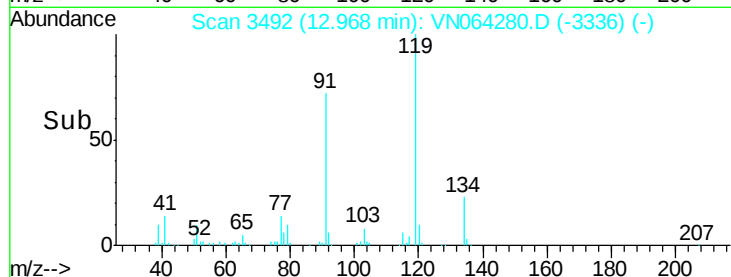
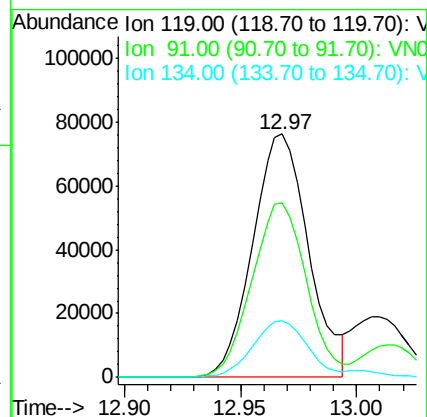
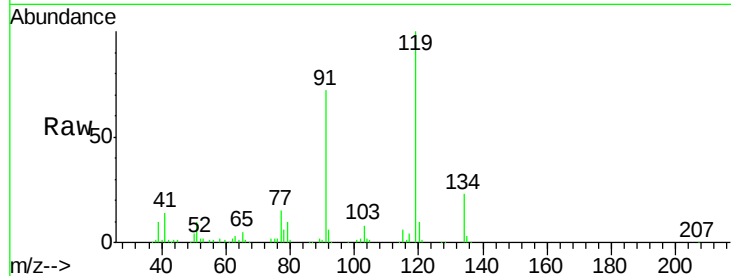
ClientSampleId :

VSTDICCC020

Tot Ion:	119	Resp:	127847
Ion Ratio	Lower	Upper	
119	100		
91	70.0	0.0	140.0
134	22.9	0.0	45.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#80

1,2,4-Trimethylbenzene

Concen: 14.022 ug/l

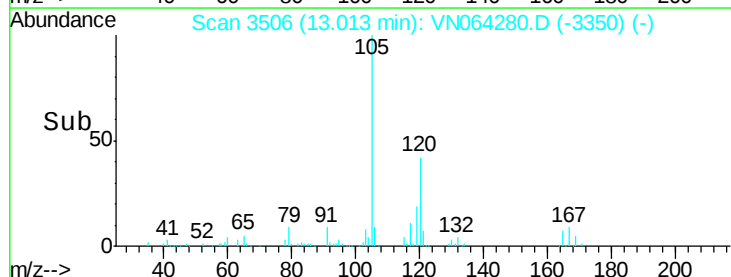
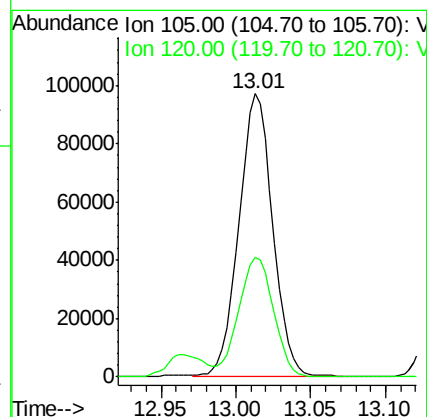
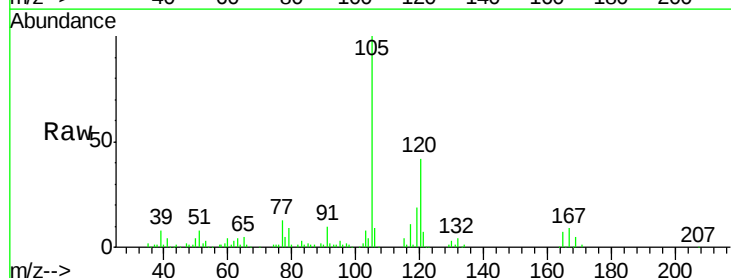
RT: 13.01 min Scan# 3506

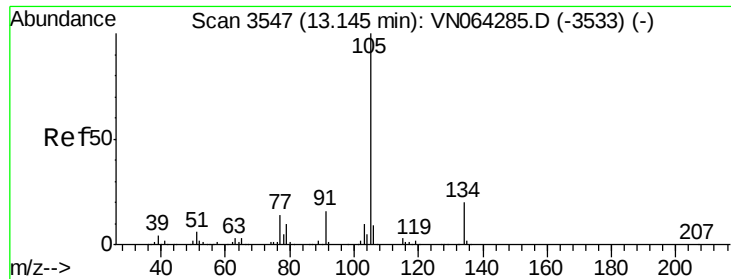
Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	105	Resp:	153251
Ion Ratio	Lower	Upper	
105	100		
120	43.7	0.0	87.4





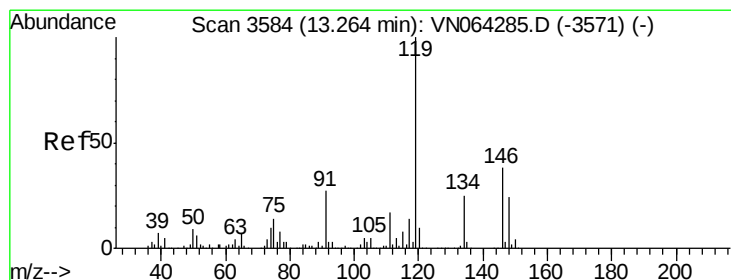
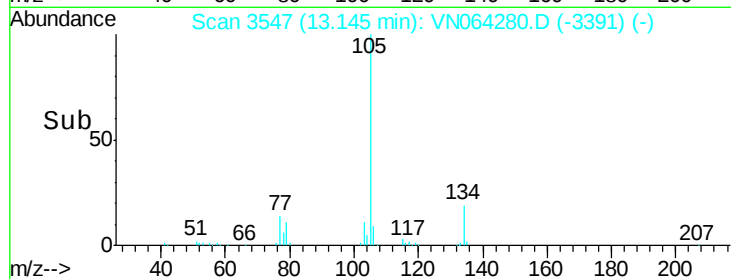
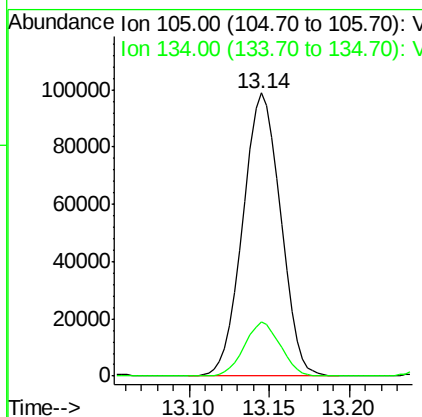
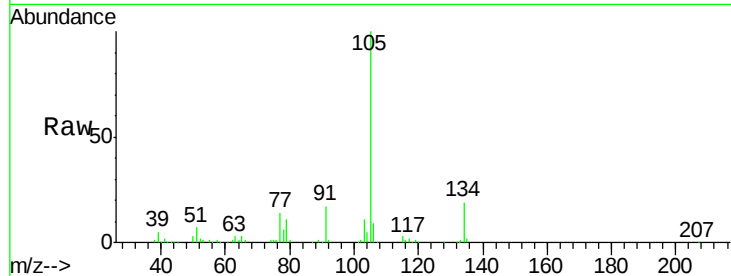
#81
 sec-Butylbenzene
 Concen: 13.938 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	159456		
134	18.4	0.0	36.8	

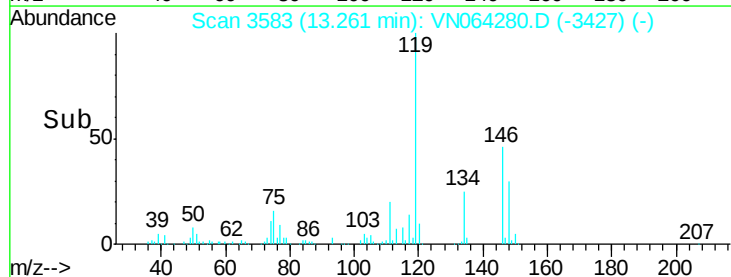
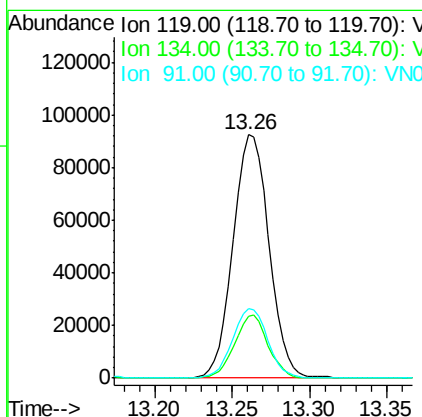
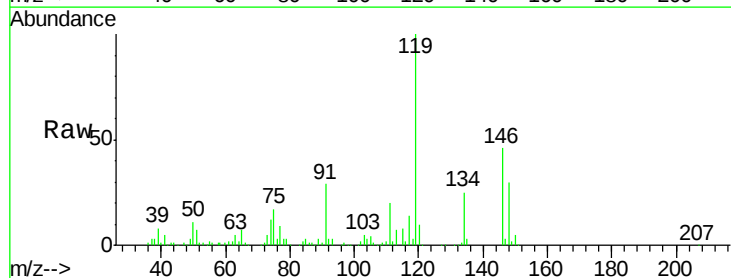
Manual Integrations
 APPROVED

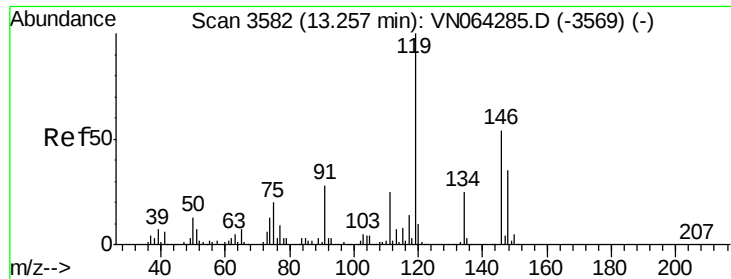
MMDadoda
 10/26/2020 1:38:39 PM



#82
 p-Isopropyltoluene
 Concen: 14.093 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	149602		
134	23.9	0.0	47.8	
91	27.9	0.0	55.8	





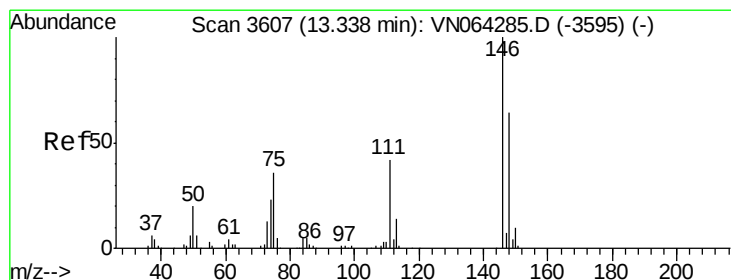
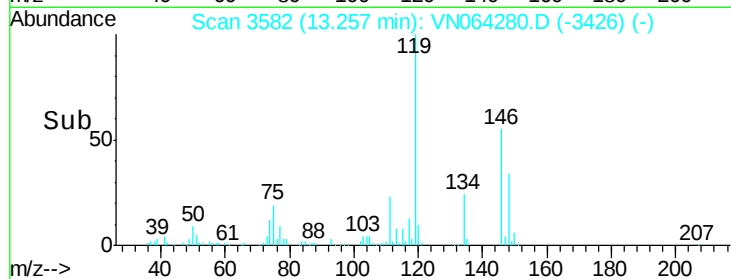
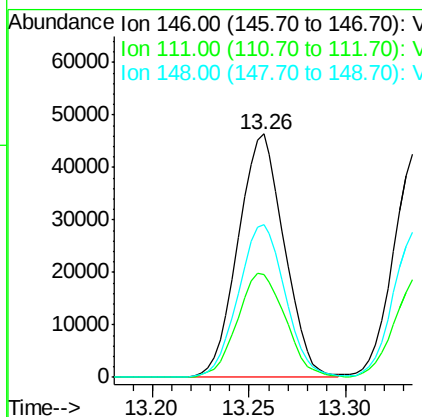
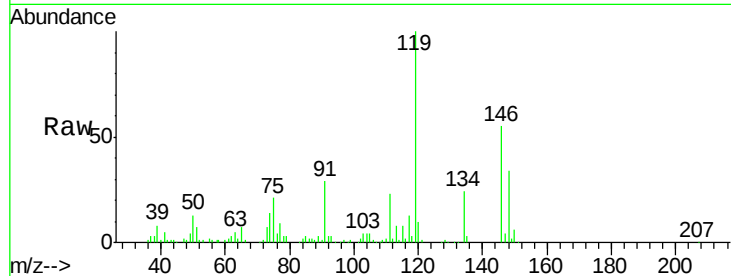
#83
 1,3-Dichlorobenzene
 Concen: 13.995 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.5
148	63.7	31.9	95.5

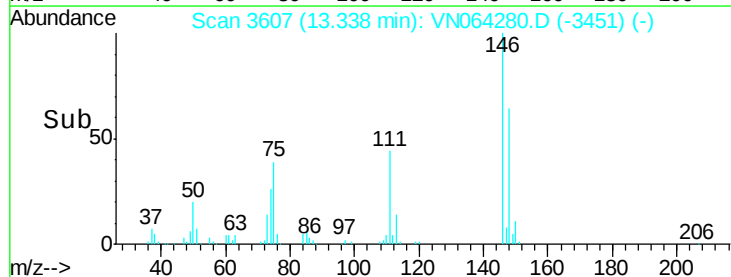
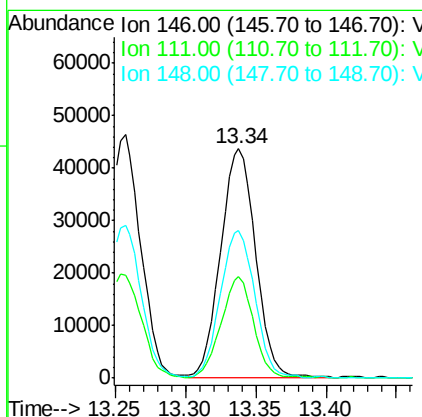
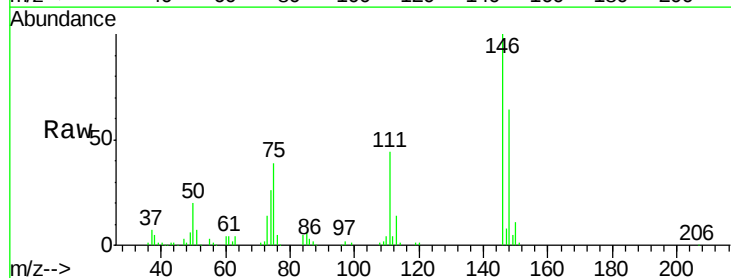
Manual Integrations
 APPROVED

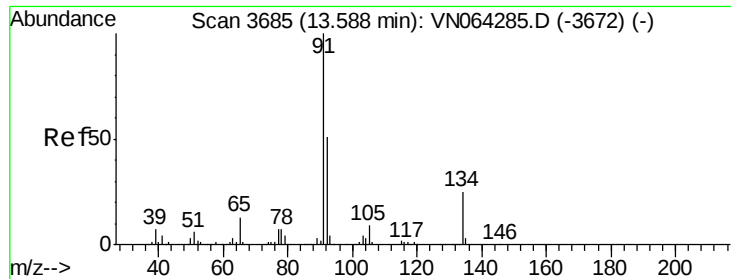
MMDadoda
 10/26/2020 1:38:39 PM



#84
 1,4-Dichlorobenzene
 Concen: 13.886 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	62.9	31.4	94.3





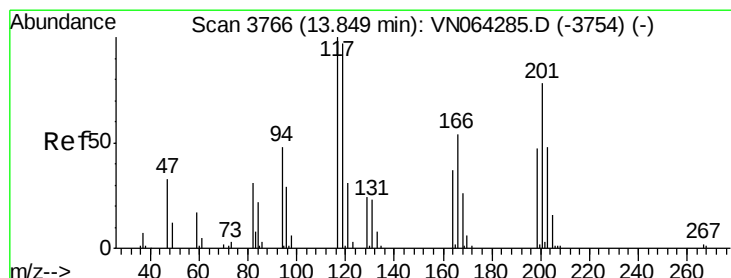
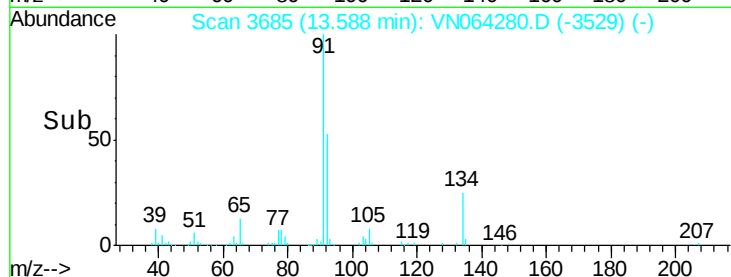
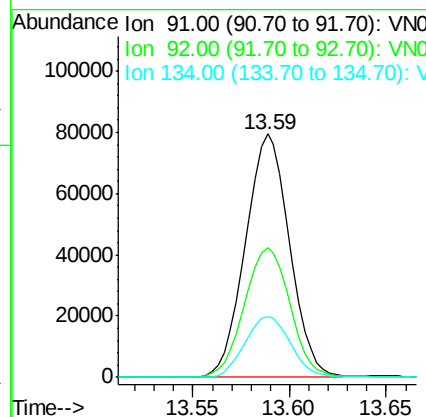
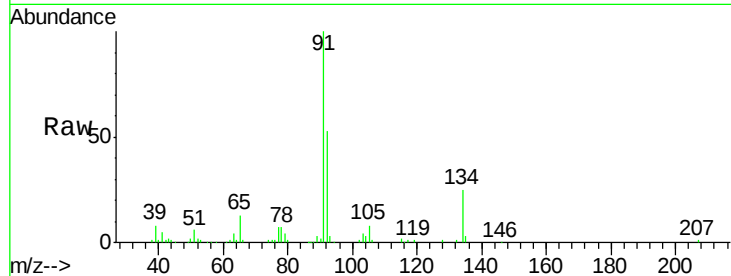
#85
n-Butylbenzene
Concen: 13.427 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	126151		
92	55.0	0.0	110.0	
134	25.8	0.0	51.6	

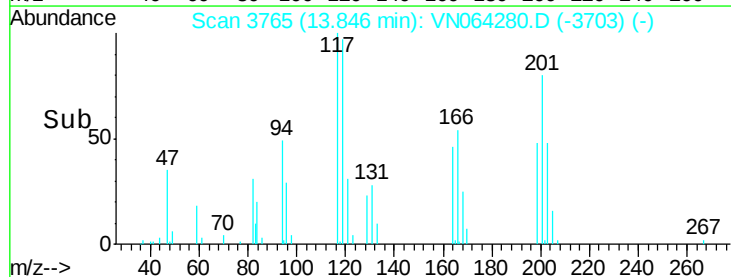
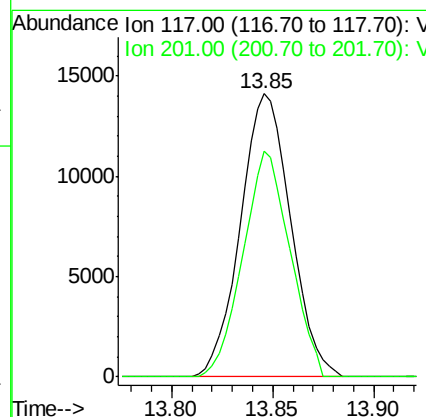
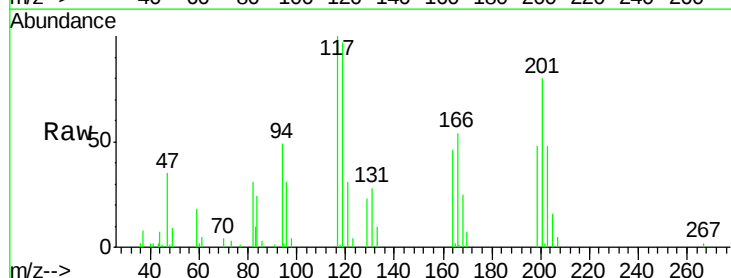
Manual Integrations
APPROVED

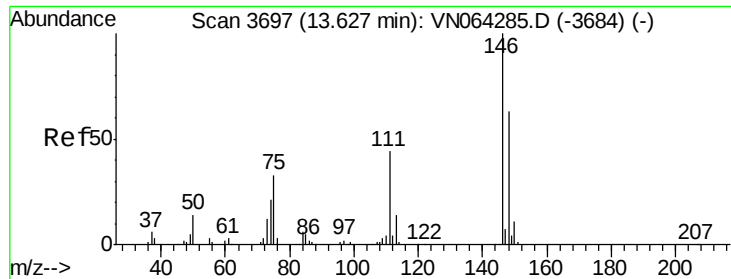
MMDadoda
10/26/2020 1:38:39 PM



#86
Hexachloroethane
Concen: 13.554 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24626		
201	74.4	37.2	111.6	





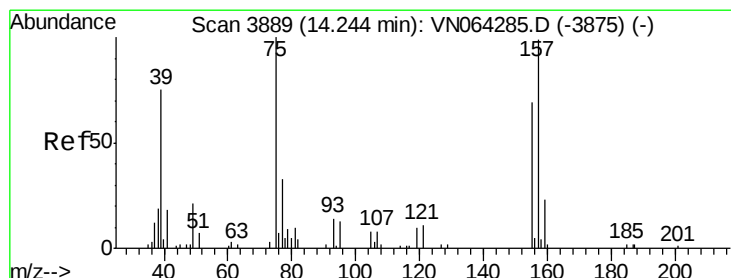
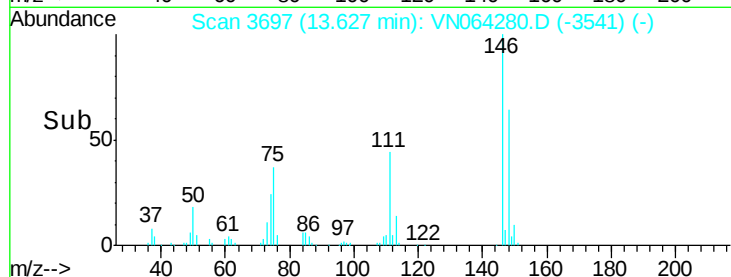
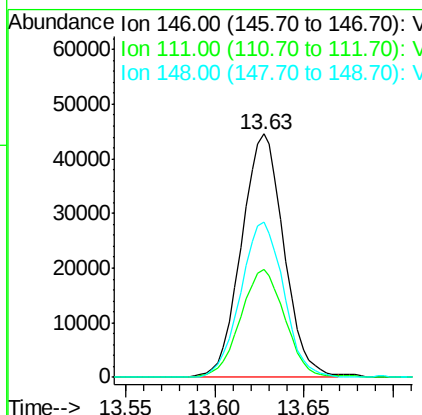
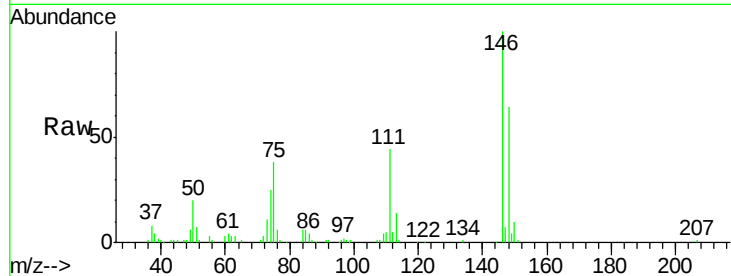
#87
 1,2-Dichlorobenzene
 Concen: 13.804 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.1	69.3
148	64.5	32.3	96.8

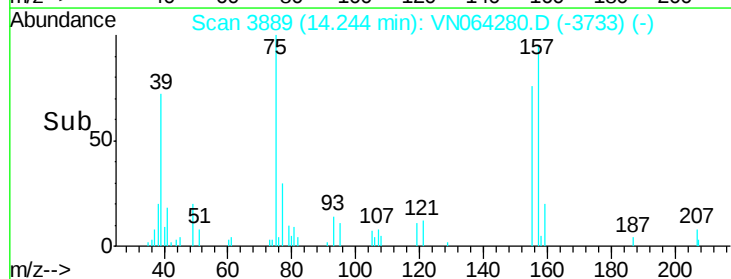
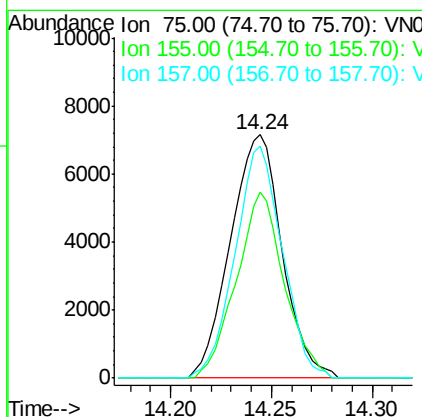
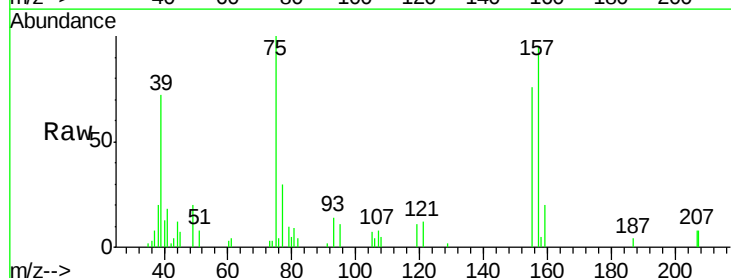
Manual Integrations
 APPROVED

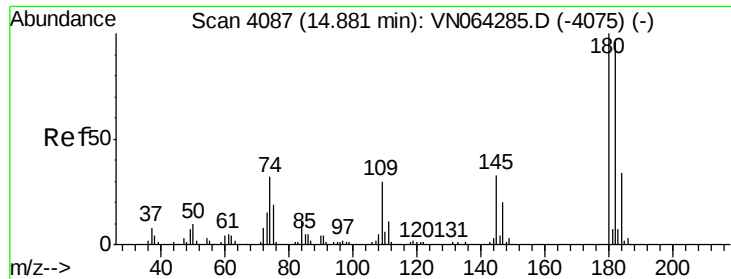
MMDadoda
 10/26/2020 1:38:39 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.366 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064280.D
 Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.7	56.6	84.8
157	87.6	70.1	105.1





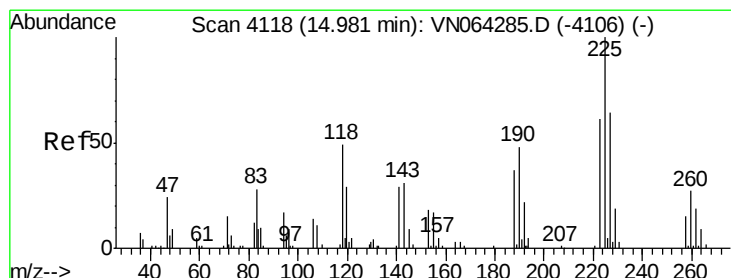
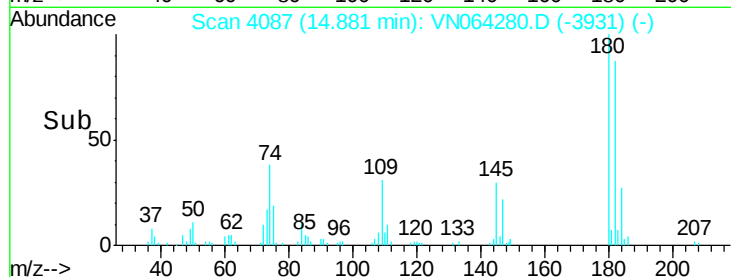
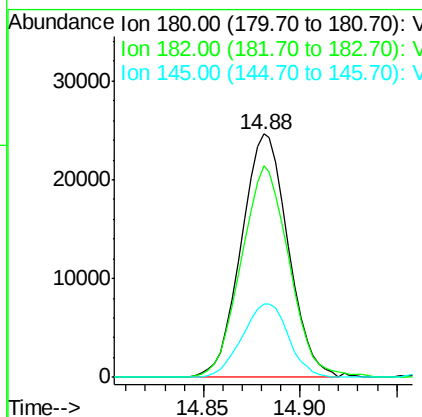
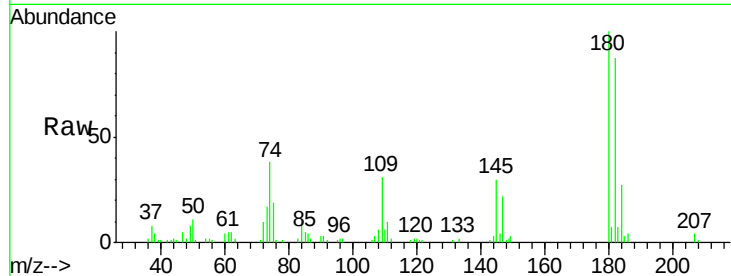
#89
1,2,4-Trichlorobenzene
Concen: 13.068 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	71.3	106.9
145	29.9	23.9	35.9

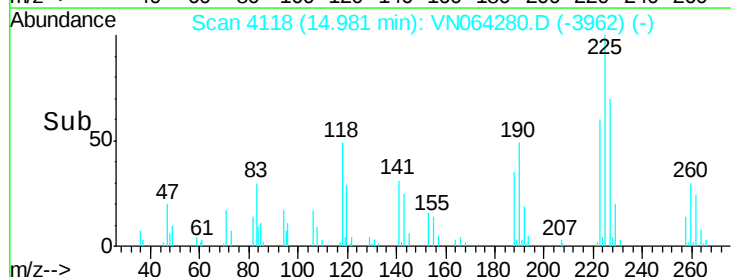
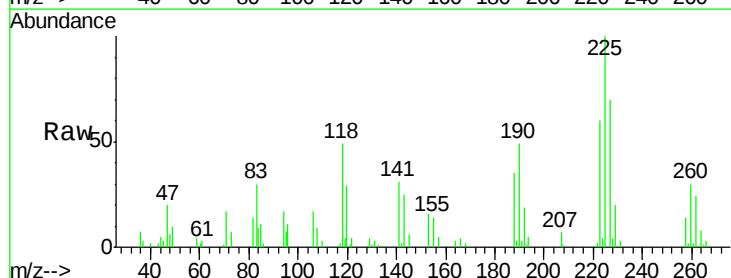
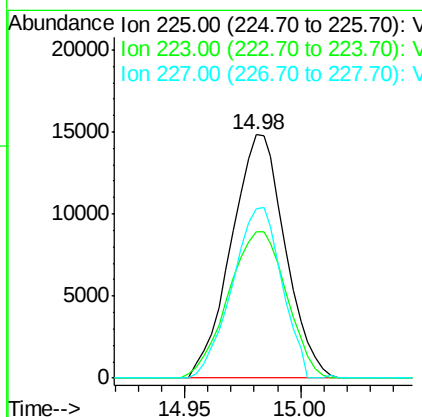
Manual Integrations
APPROVED

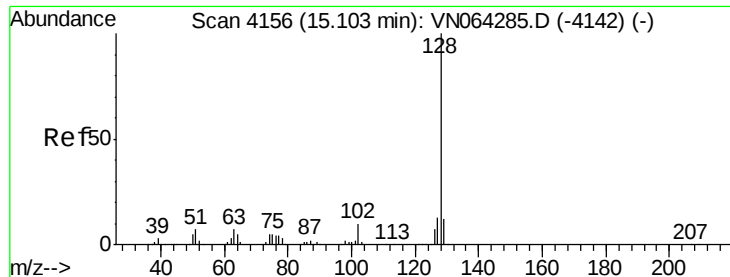
MMDadoda
10/26/2020 1:38:39 PM



#90
Hexachlorobutadiene
Concen: 14.614 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN064280.D
Acq: 23 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	0.0	129.8
227	64.3	0.0	128.6





#91

Naphthalene

Concen: 12.482 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Instrument :

MSVOA_N

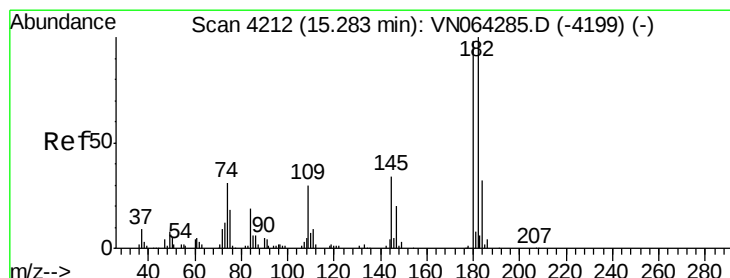
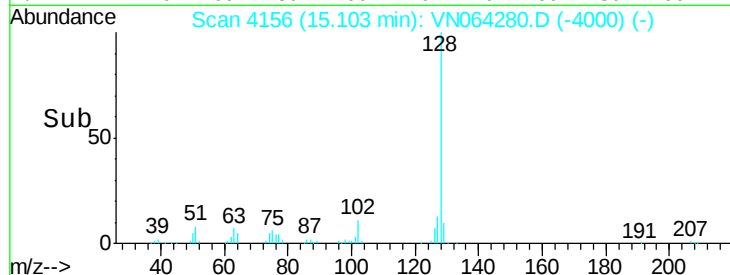
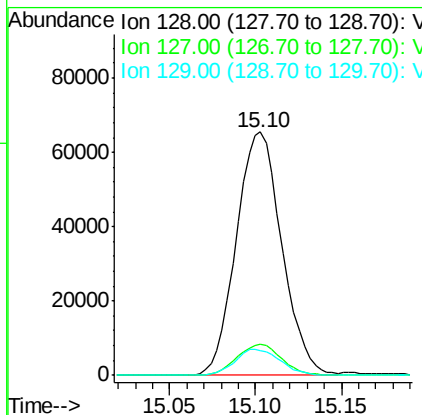
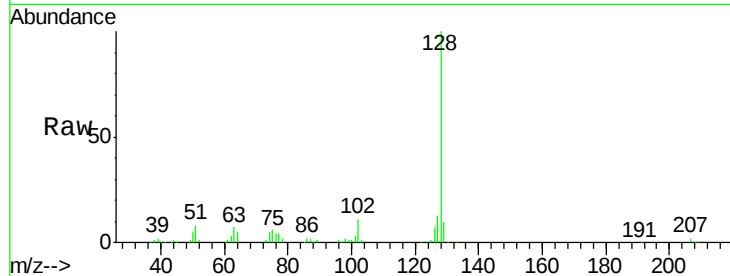
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	120050
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.9	14.9
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:39 PM



#92

1,2,3-Trichlorobenzene

Concen: 12.862 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064280.D

Acq: 23 Oct 2020 10:22

Tgt Ion:	180	Resp:	39079
Ion Ratio	Lower	Upper	
180	100		
182	94.4	0.0	188.8
145	35.0	0.0	70.0

