

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064290.D
 Acq On : 23 Oct 2020 16:55
 Operator : JC/MD
 Sample : VN1023MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:00 PM

Quant Time: Oct 26 02:33:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	270499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	452056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	204500	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	7.55	113	141893	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.06	98	514826	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.38	95	205920	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	59386	18.474	ug/l	95
3) Chloromethane	2.04	50	61794	19.765	ug/l	98
4) Vinyl Chloride	2.16	62	59706	19.263	ug/l	99
5) Bromomethane	2.53	94	40652	20.121	ug/l	97
6) Chloroethane	2.68	64	36572	19.382	ug/l	93
7) Trichlorofluoromethane	2.99	101	100756	19.767	ug/l	99
8) Diethyl Ether	3.38	74	33905	20.108	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51820	19.660	ug/l	99
10) Methyl Iodide	3.92	142	64492	17.206	ug/l	98
11) Tert butyl alcohol	4.74	59	53648	99.767	ug/l	98
12) 1,1-Dichloroethene	3.69	96	47913	18.899	ug/l	99
13) Acrolein	3.57	56	27629	81.851	ug/l	96
14) Allyl chloride	4.28	41	87975	17.338	ug/l	92
15) Acrylonitrile	4.93	53	108736	97.790	ug/l	98
16) Acetone	3.78	43	135127	117.564	ug/l	99
17) Carbon Disulfide	4.01	76	133407	18.448	ug/l	100
18) Methyl Acetate	4.28	43	58824	20.084	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	168518	19.335	ug/l	97
20) Methylene Chloride	4.50	84	57640	18.807	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	52986	18.953	ug/l	98
22) Diisopropyl ether	5.90	45	176182	18.678	ug/l	94
23) Vinyl Acetate	5.85	43	813813	96.745	ug/l	99
24) 1,1-Dichloroethane	5.80	63	105072	19.229	ug/l	99
25) 2-Butanone	6.79	43	185528	101.597	ug/l	96
26) 2,2-Dichloropropane	6.78	77	108032	19.859	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	61970	19.035	ug/l	97
28) Bromochloromethane	7.15	49	45707	17.608	ug/l	99
29) Tetrahydrofuran	7.17	42	109134	99.909	ug/l	99
30) Chloroform	7.33	83	110907	19.028	ug/l	99
31) Cyclohexane	7.61	56	86221	18.106	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	108683	19.904	ug/l	100
36) 1,1-Dichloropropene	7.75	75	86249	19.138	ug/l	95
37) Ethyl Acetate	6.88	43	78608	19.211	ug/l	97
38) Carbon Tetrachloride	7.74	117	98505	19.211	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064290.D
 Acq On : 23 Oct 2020 16:55
 Operator : JC/MD
 Sample : VN1023MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:00 PM

Quant Time: Oct 26 02:33:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	72566	17.708	ug/l	99
40) Benzene	8.00	78	227307	18.271	ug/l	98
41) Methacrylonitrile	7.12	41	37733	17.579	ug/l #	91
42) 1,2-Dichloroethane	8.08	62	100945	18.941	ug/l	98
43) Isopropyl Acetate	8.13	43	142322	18.663	ug/l #	91
44) Trichloroethene	8.80	130	64766	19.105	ug/l	97
45) 1,2-Dichloropropane	9.08	63	61409	18.490	ug/l	99
46) Dibromomethane	9.17	93	43222	19.381	ug/l	97
47) Bromodichloromethane	9.37	83	92924	18.860	ug/l	99
48) Methyl methacrylate	9.16	41	72418	18.179	ug/l	97
49) 1,4-Dioxane	9.17	88	18536	397.681	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	395770	97.106	ug/l	99
52) Toluene	10.13	92	143731	18.056	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	101799	18.600	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	105752	18.351	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	57395	19.091	ug/l	97
56) Ethyl methacrylate	10.40	69	86892	18.692	ug/l	99
57) 1,3-Dichloropropane	10.68	76	102145	19.560	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	225070	94.023	ug/l	100
59) 2-Hexanone	10.72	43	294462	98.930	ug/l	100
60) Dibromochloromethane	10.87	129	69046	17.741	ug/l	99
61) 1,2-Dibromoethane	10.98	107	60200	18.975	ug/l	100
64) Tetrachloroethene	10.60	164	61586	18.915	ug/l	94
65) Chlorobenzene	11.41	112	156446	18.687	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	61771	18.589	ug/l	98
67) Ethyl Benzene	11.48	91	291622	18.955	ug/l	98
68) m/p-Xylenes	11.59	106	209257	36.710	ug/l	99
69) o-Xylene	11.92	106	105431	19.124	ug/l	98
70) Styrene	11.94	104	171203	18.526	ug/l	99
71) Bromoform	12.10	173	48496	18.892	ug/l #	96
73) Isopropylbenzene	12.22	105	272350	18.410	ug/l	100
74) N-amyl acetate	12.04	43	117099	18.318	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	74379	18.946	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	76100m	18.610	ug/l	
77) Bromobenzene	12.50	156	67308	19.272	ug/l	98
78) n-propylbenzene	12.57	91	307809	18.454	ug/l	100
79) 2-Chlorotoluene	12.65	91	189972	18.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	233811	18.695	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30038	18.546	ug/l	99
82) 4-Chlorotoluene	12.75	91	202360	18.935	ug/l	100
83) tert-Butylbenzene	12.97	119	189223	18.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	232346	18.665	ug/l	99
85) sec-Butylbenzene	13.15	105	239242	18.507	ug/l	100
86) p-Isopropyltoluene	13.26	119	221708	18.834	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	115166	18.532	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	117847	18.527	ug/l	98
89) n-Butylbenzene	13.59	91	190438	18.047	ug/l	100
90) Hexachloroethane	13.85	117	36951	17.332	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	110741	18.165	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18108	18.489	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
Data File : VN064290.D
Acq On : 23 Oct 2020 16:55
Operator : JC/MD
Sample : VN1023MBS01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM

Quant Time: Oct 26 02:33:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	63097	18.453	ug/l	99
94) Hexachlorobutadiene	14.98	225	34792	18.865	ug/l	96
95) Naphthalene	15.10	128	185545	18.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	59358	17.527	ug/l	97

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

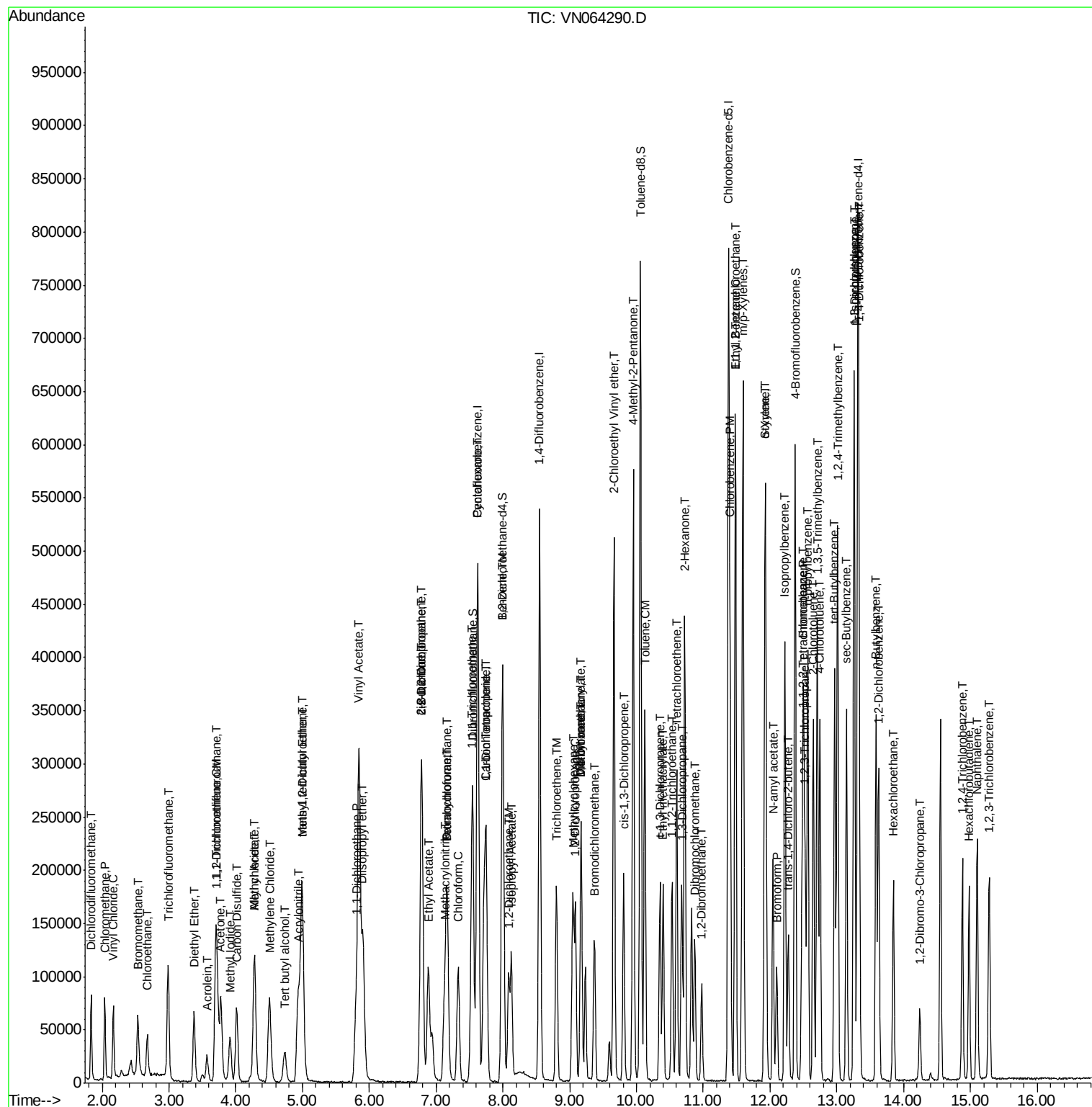
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064290.D
 Acq On : 23 Oct 2020 16:55
 Operator : JC/MD
 Sample : VN1023MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

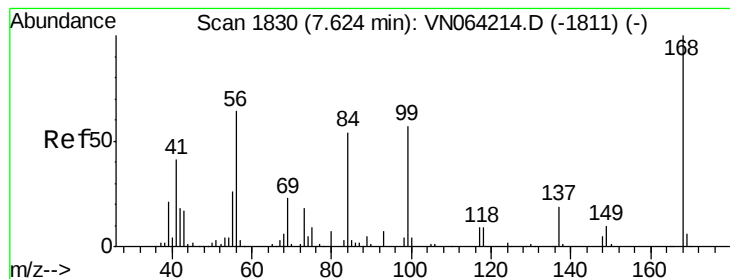
Instrument :
 MSVOA_N
 Client Sample ID :
 VN1023MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:00 PM

Quant Time: Oct 26 02:33:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion:168 Resp: 270499

Ion Ratio Lower Upper

168 100

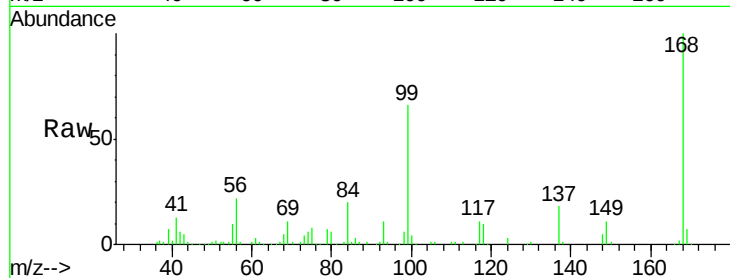
99 65.3 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

60000

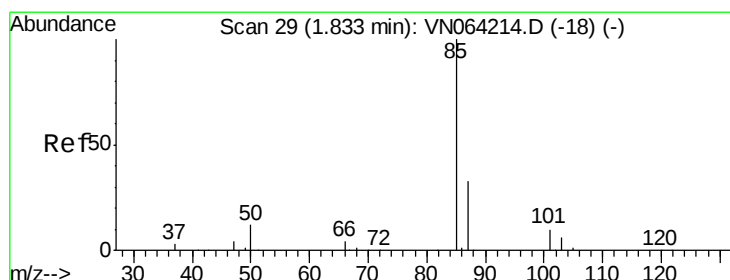
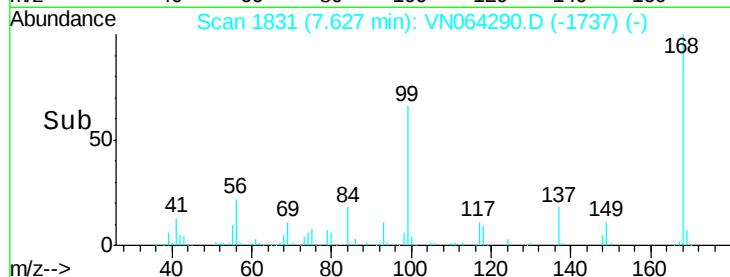
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.474 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064290.D

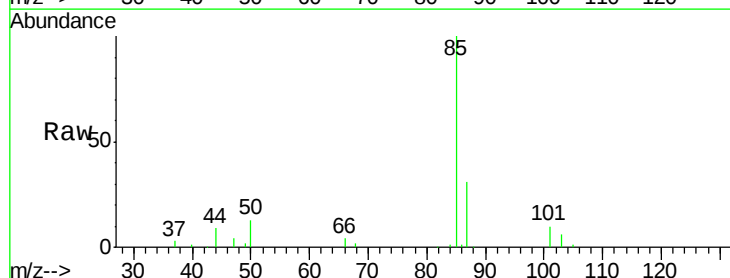
Acq: 23 Oct 2020 16:55

Tgt Ion: 85 Resp: 59386

Ion Ratio Lower Upper

85 100

87 30.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

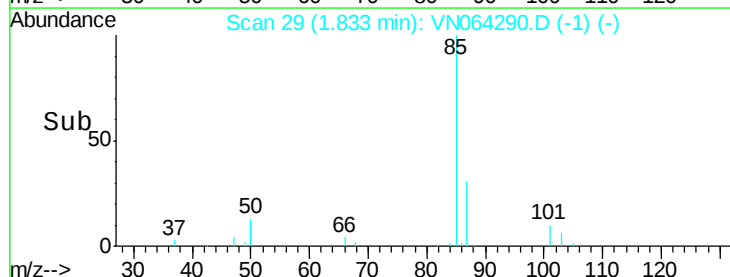
20000

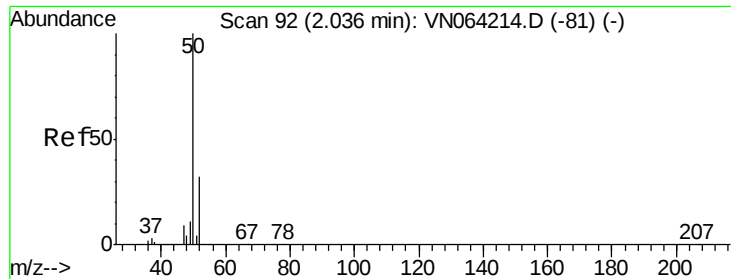
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.765 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 50 Resp: 61794

Ion Ratio Lower Upper

50 100

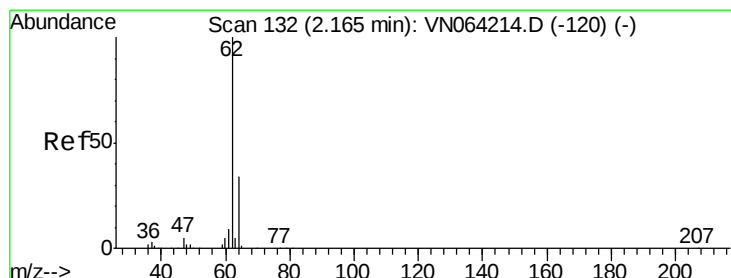
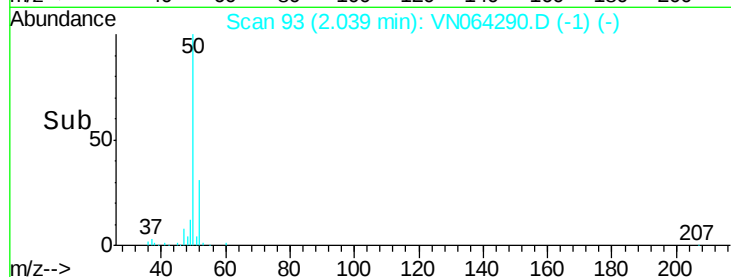
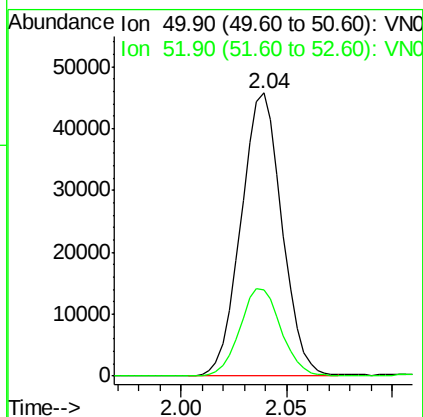
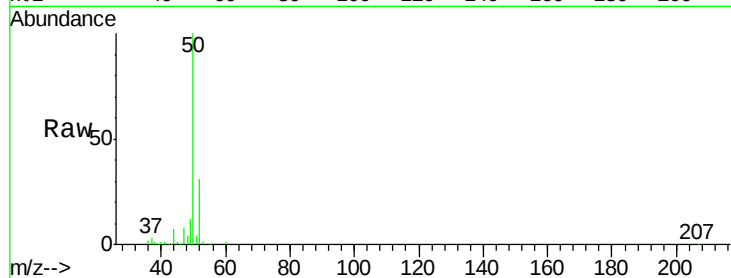
52 30.7 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:00 PM



#4

Vinyl Chloride

Concen: 19.263 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064290.D

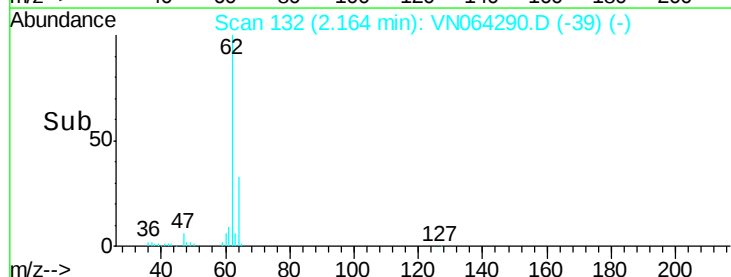
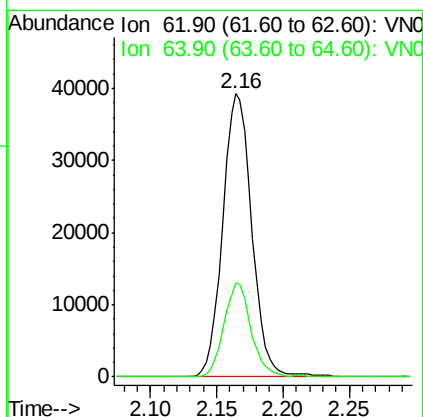
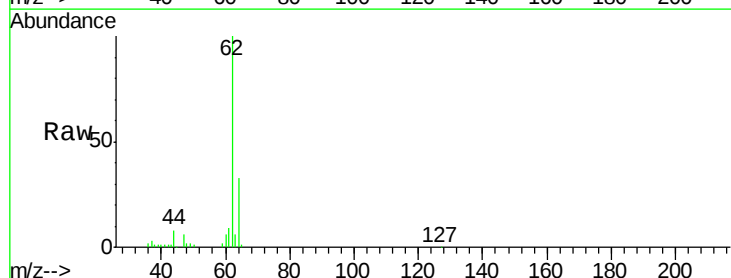
Acq: 23 Oct 2020 16:55

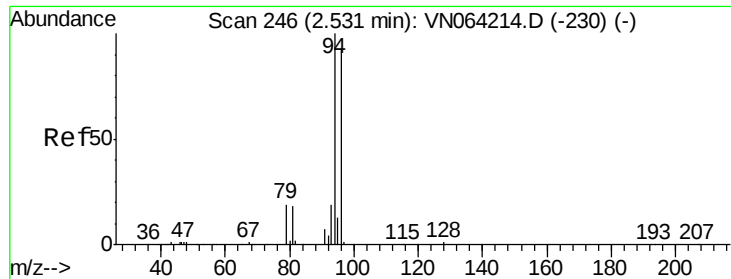
Tgt Ion: 62 Resp: 59706

Ion Ratio Lower Upper

62 100

64 33.1 26.8 40.2





#5

Bromomethane

Concen: 20.121 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 94 Resp: 40652

Ion Ratio Lower Upper

94 100

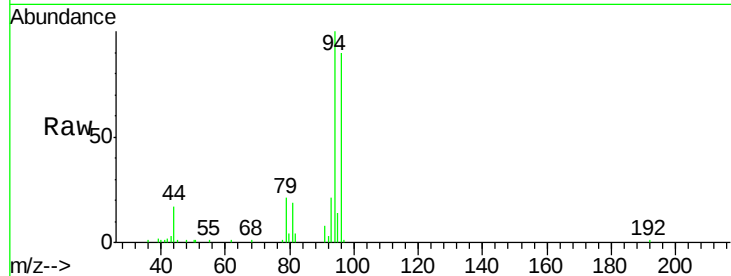
96 90.2 74.2 111.4

Manual Integrations

APPROVED

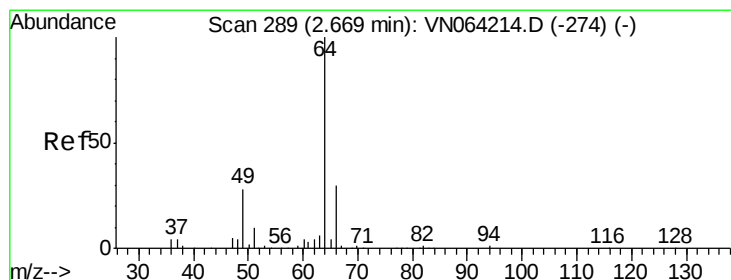
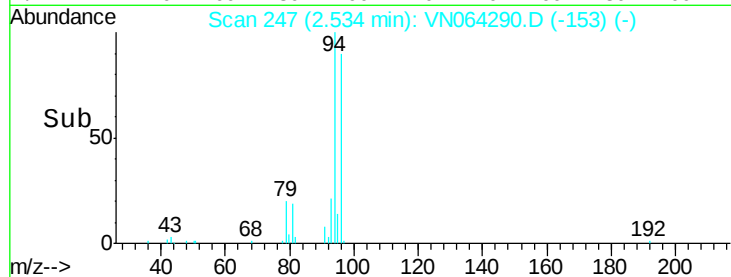
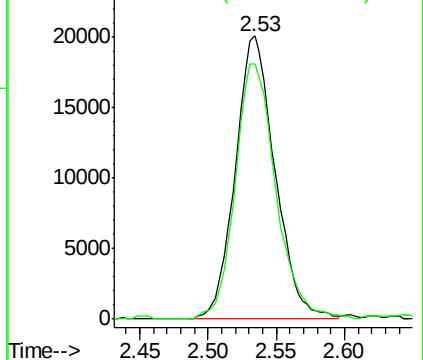
MMDadoda

10/26/2020 1:39:00 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.382 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064290.D

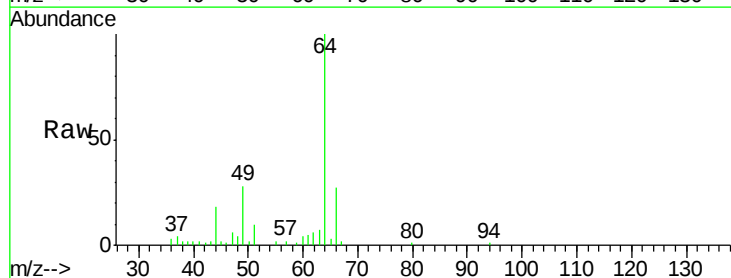
Acq: 23 Oct 2020 16:55

Tgt Ion: 64 Resp: 36572

Ion Ratio Lower Upper

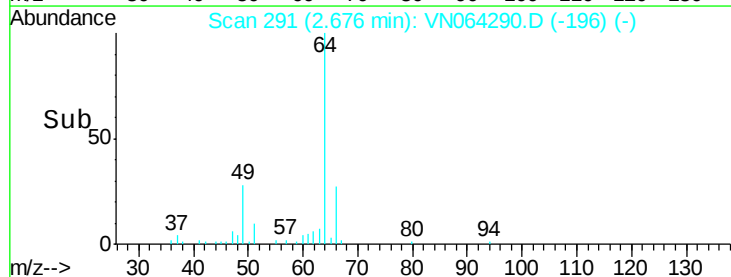
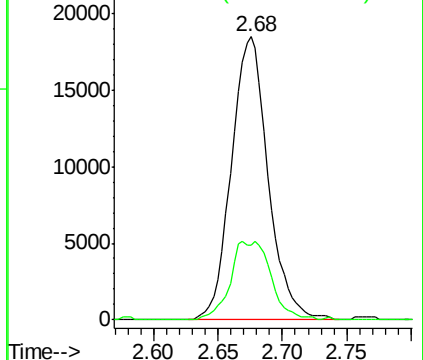
64 100

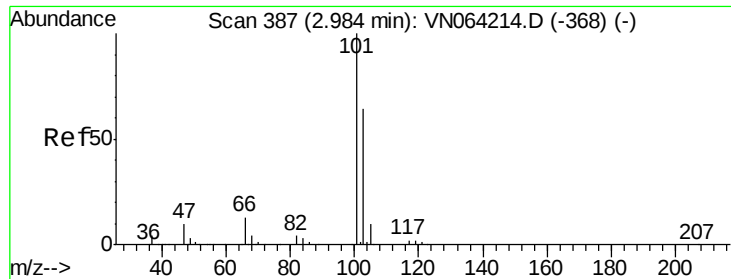
66 26.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

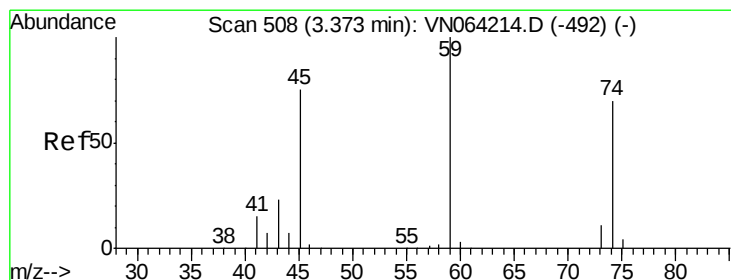
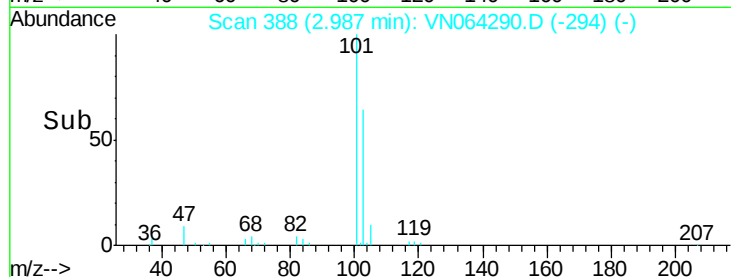
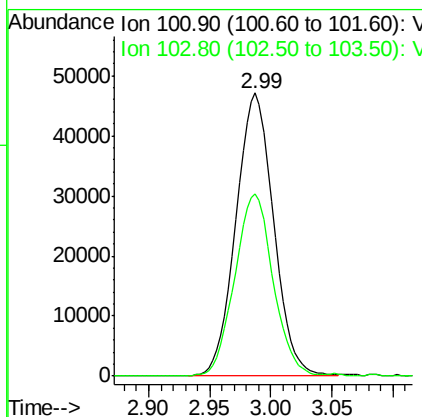
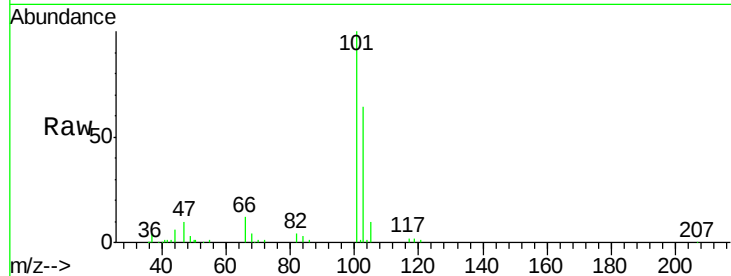
Trichlorofluoromethane
Concen: 19.767 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.0	76.6

Manual Integrations
APPROVED

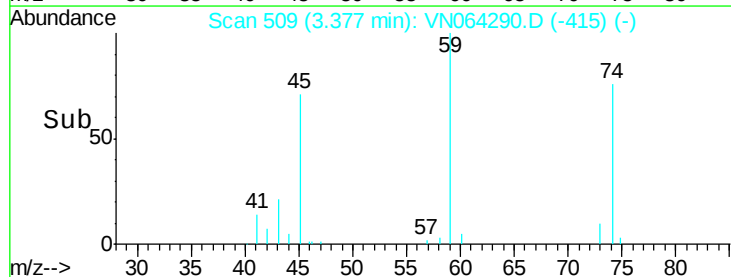
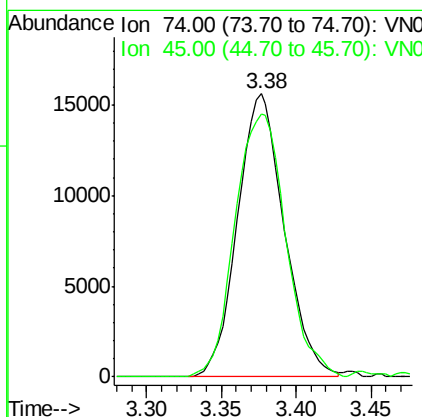
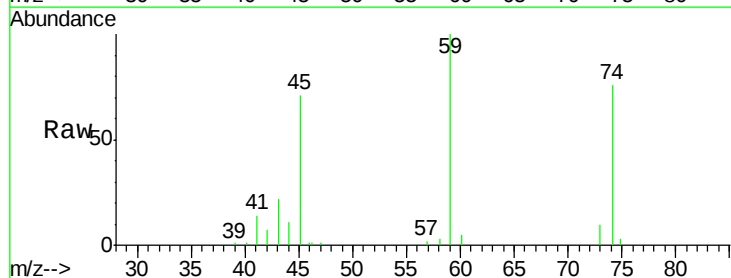
MMDadoda
10/26/2020 1:39:00 PM

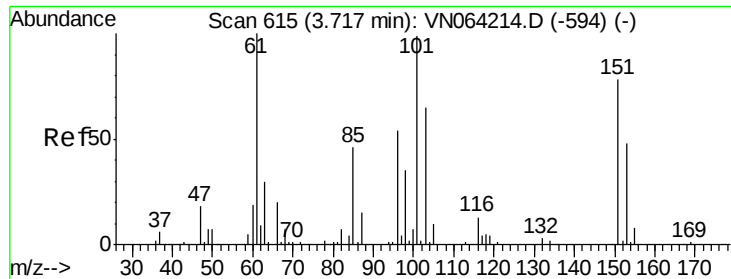


#8

Diethyl Ether
Concen: 20.108 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.660 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

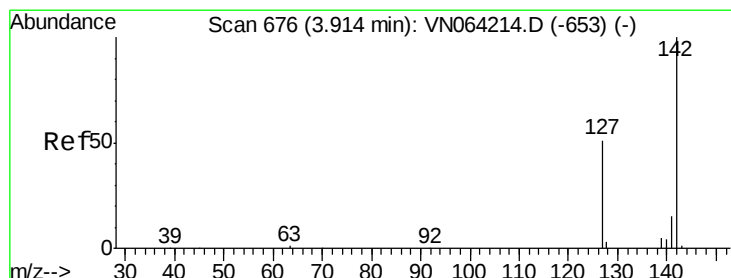
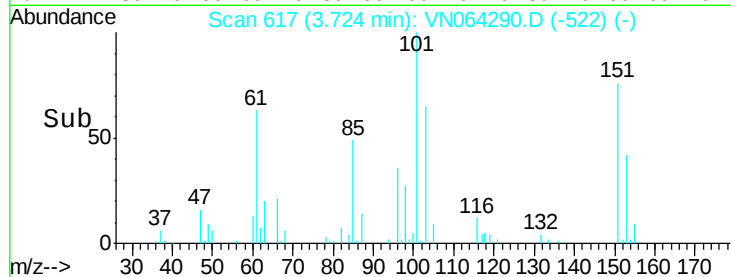
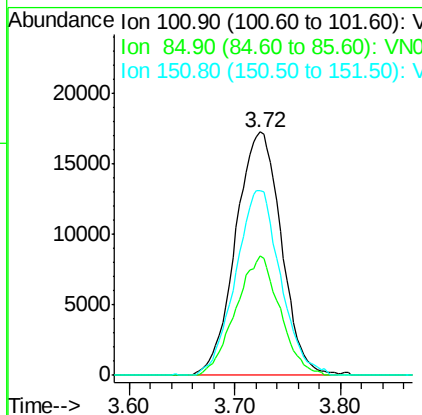
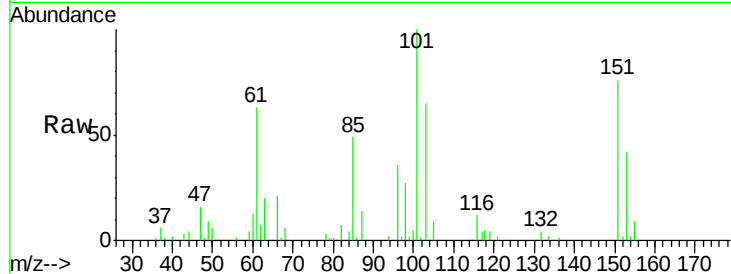
ClientSampleId :

VN1023MBS01

Tot Ion:	101	Resp:	51820
Ion Ratio	Lower	Upper	
101	100		
85	47.5	37.8	56.8
151	75.0	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM



#10

Methyl Iodide

Concen: 17.206 ug/l

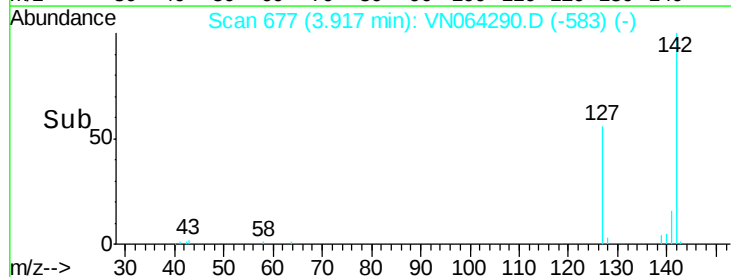
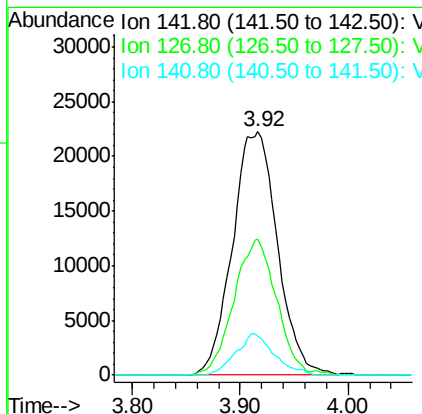
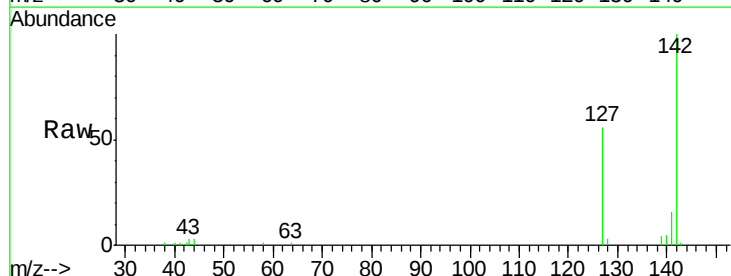
RT: 3.92 min Scan# 677

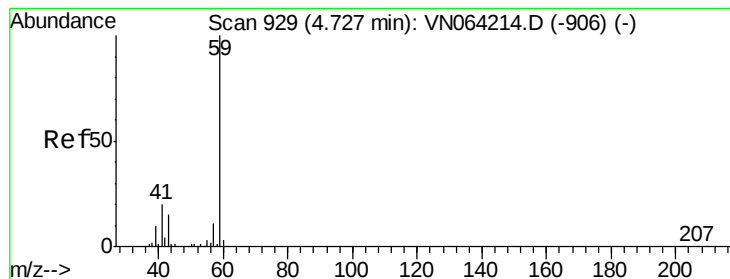
Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	142	Resp:	64492
Ion Ratio	Lower	Upper	
142	100		
127	52.6	41.0	61.6
141	14.6	11.3	16.9





#11

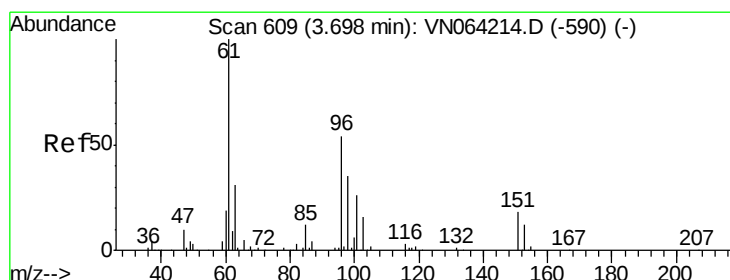
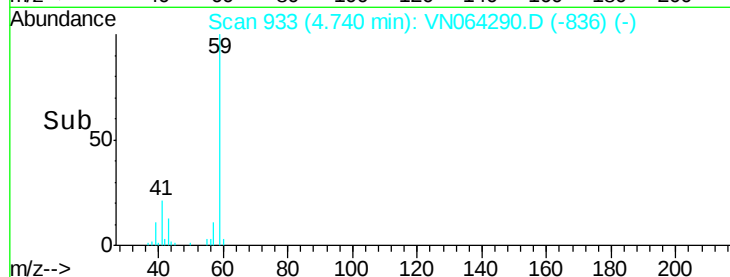
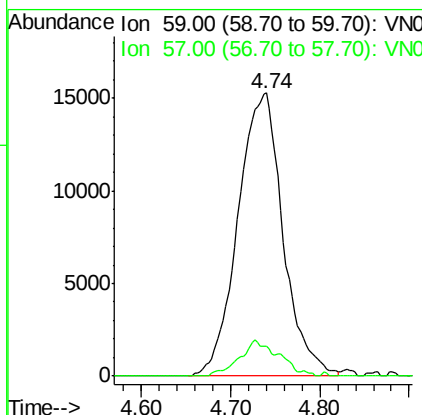
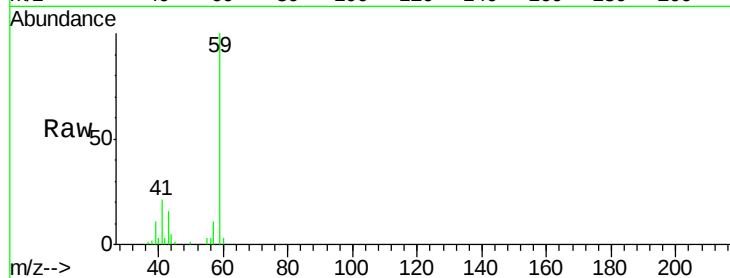
Tert butyl alcohol
Concen: 99.767 ug/l
RT: 4.74 min Scan# 933
Delta R.T. 0.01 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.2	13.8

Manual Integrations
APPROVED

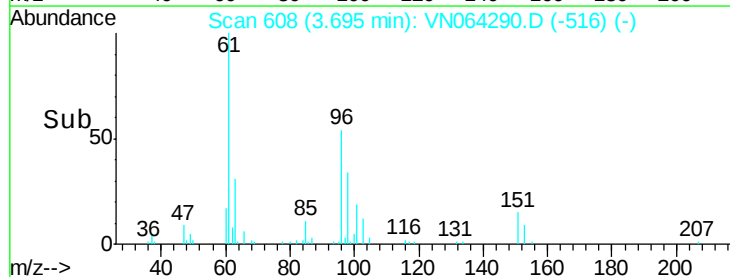
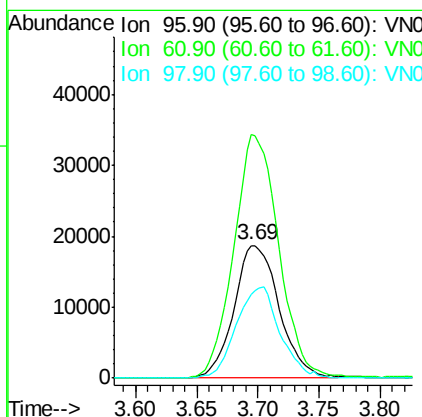
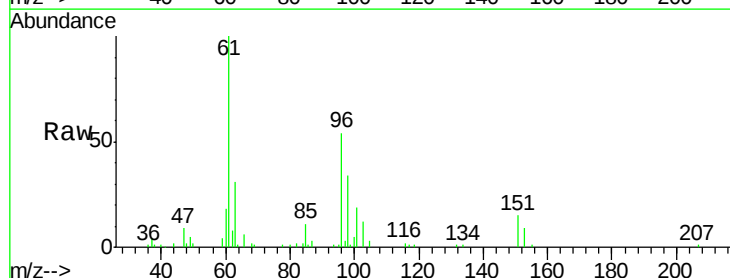
MMDadoda
10/26/2020 1:39:00 PM

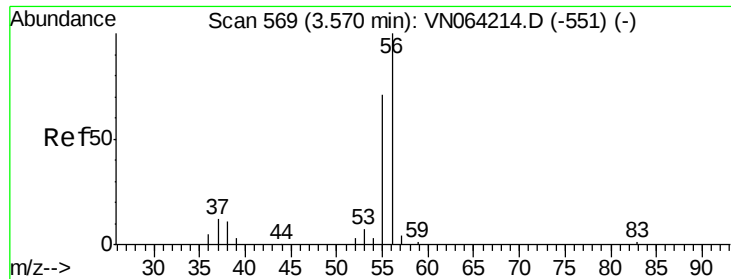


#12

1,1-Dichloroethene
Concen: 18.899 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	147.0	220.4
98	62.9	51.7	77.5





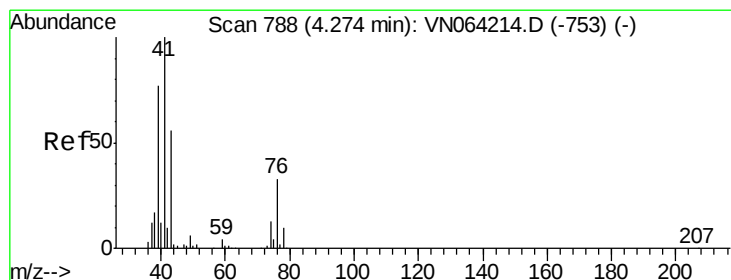
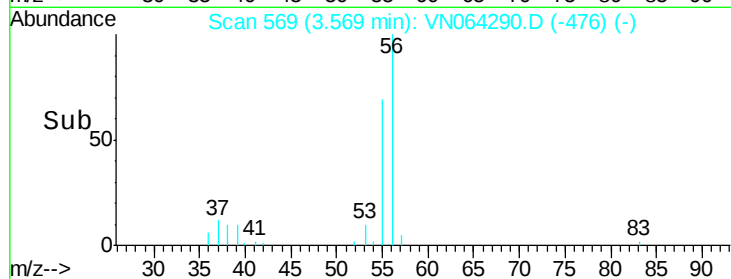
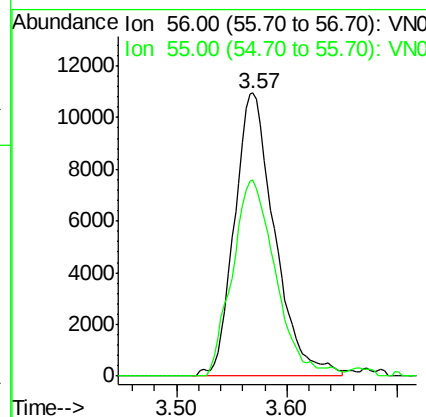
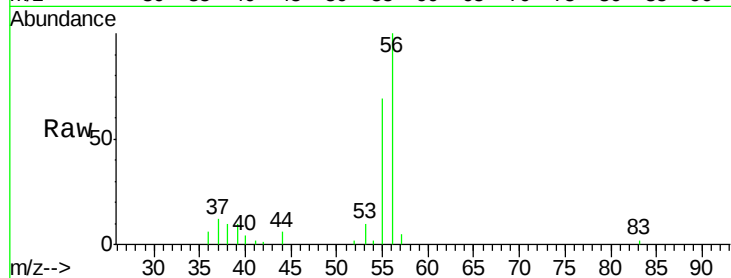
#13
 Acrolein
 Concen: 81.851 ug/l
 RT: 3.57 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	56	55	Ratio	100	73.3	Resp	27629	Lower	56.1	Upper	84.1
Ion											

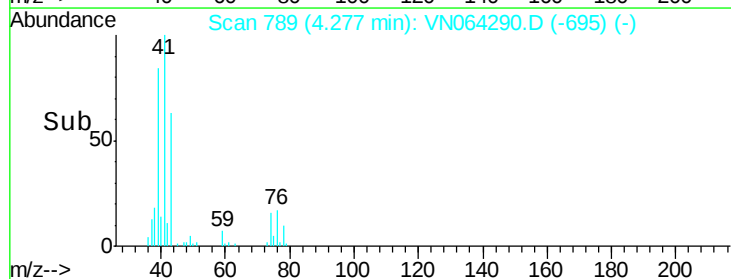
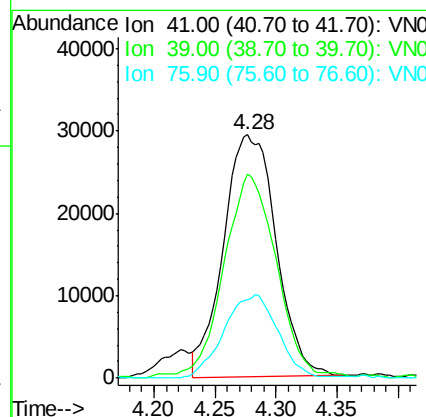
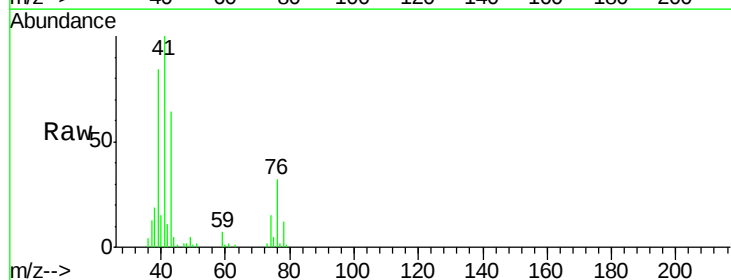
Manual Integrations
 APPROVED

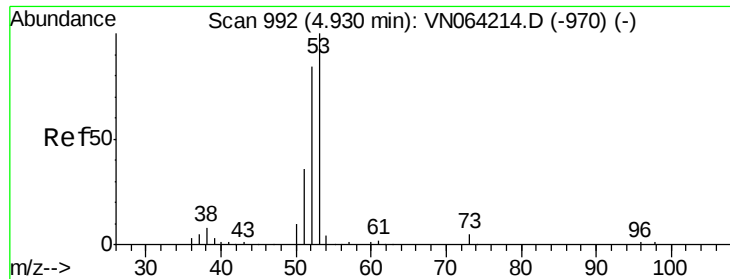
MMDadoda
 10/26/2020 1:39:00 PM



#14
 Allyl chloride
 Concen: 17.338 ug/l
 RT: 4.28 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	41	39	76	Ratio	100	79.5	35.3	Resp	87975	Lower	58.6	Upper	88.0	36.7
Ion														





#15

Acrylonitrile

Concen: 97.790 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

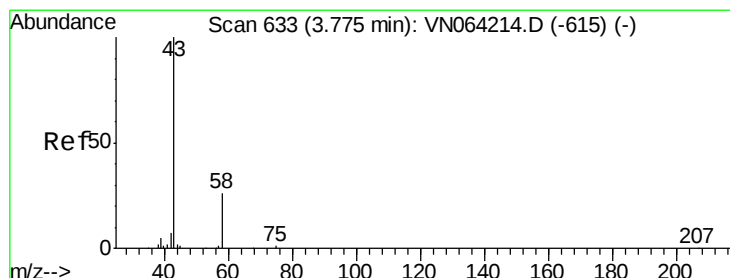
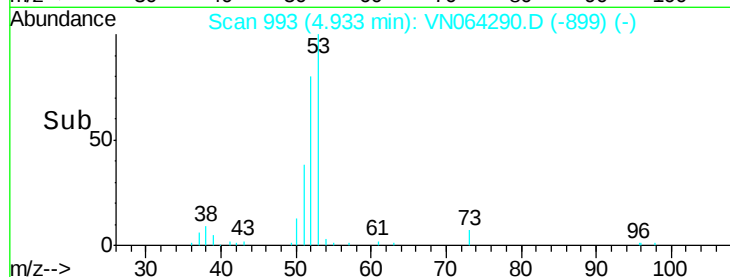
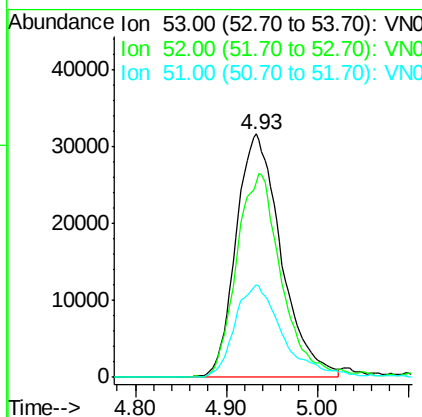
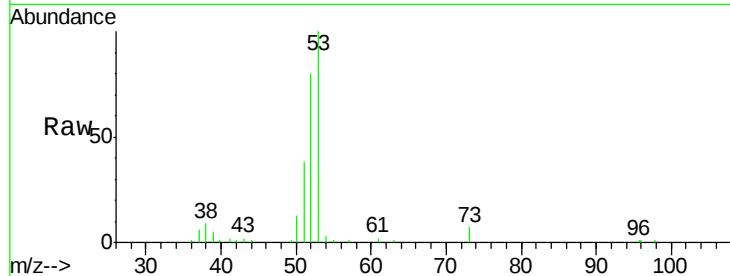
ClientSampleId :

VN1023MBS01

Tot Ion:	53	Resp:	108736
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.8	100.2
51	40.2	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM



#16

Acetone

Concen: 117.564 ug/l

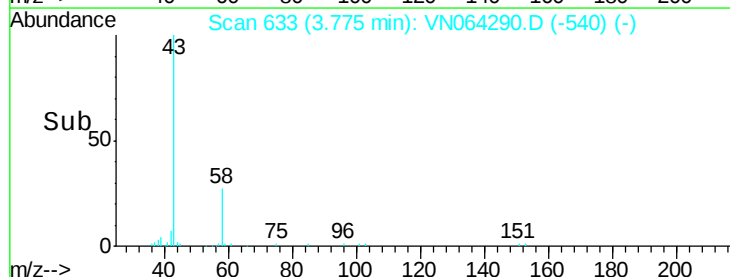
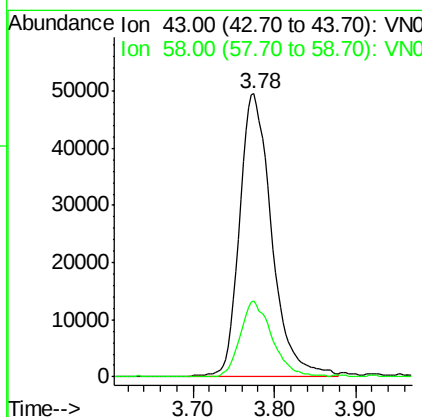
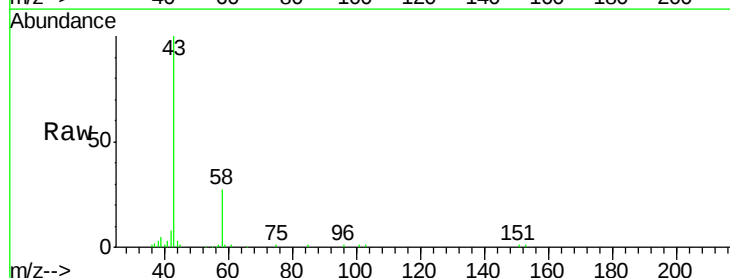
RT: 3.78 min Scan# 633

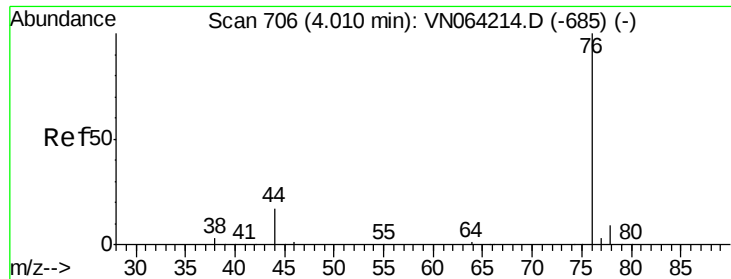
Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	43	Resp:	135127
Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.0	31.4





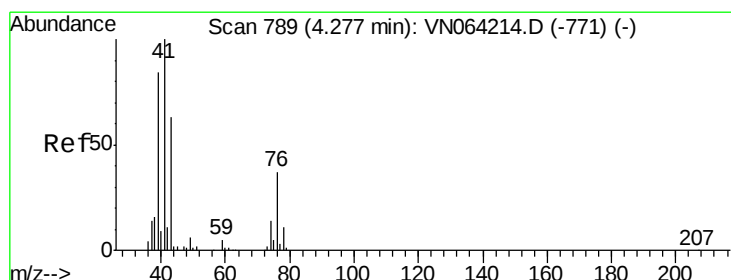
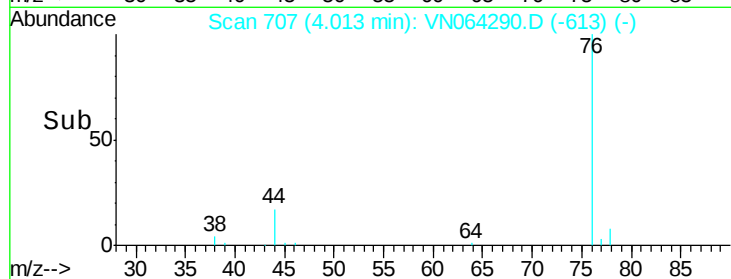
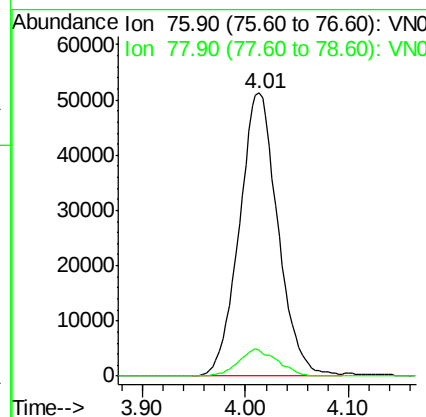
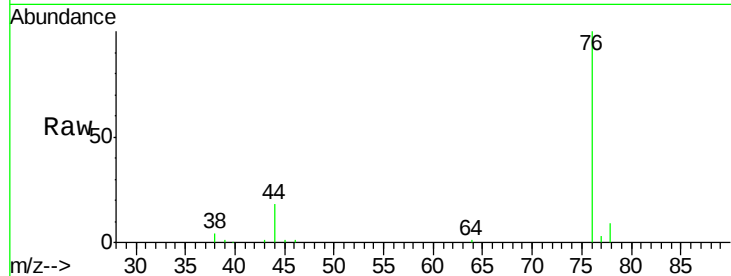
#17
Carbon Disulfide
Concen: 18.448 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

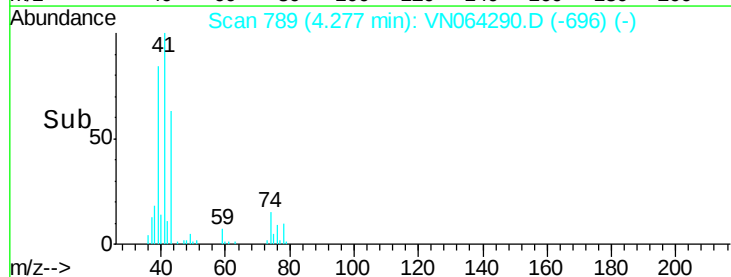
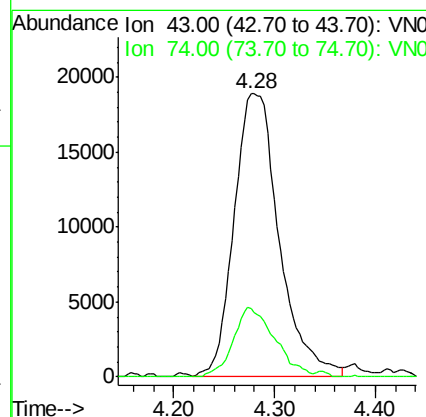
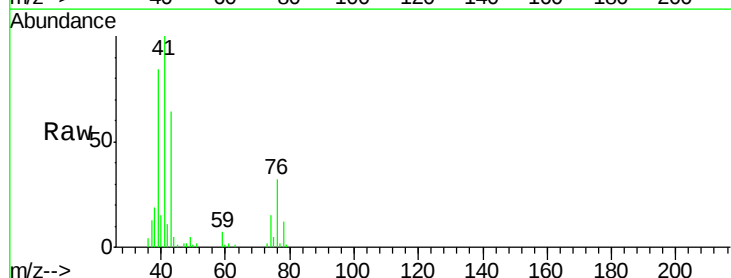
Manual Integrations
APPROVED

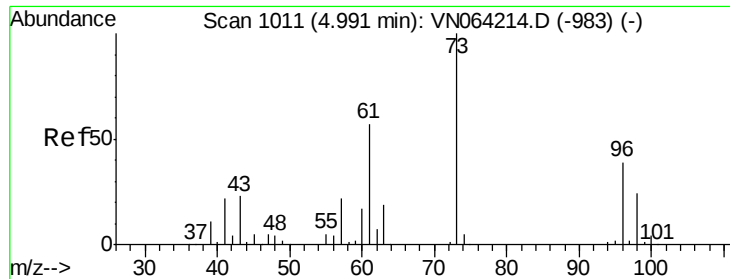
MMDadoda
10/26/2020 1:39:00 PM



#18
Methyl Acetate
Concen: 20.084 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.9	26.9





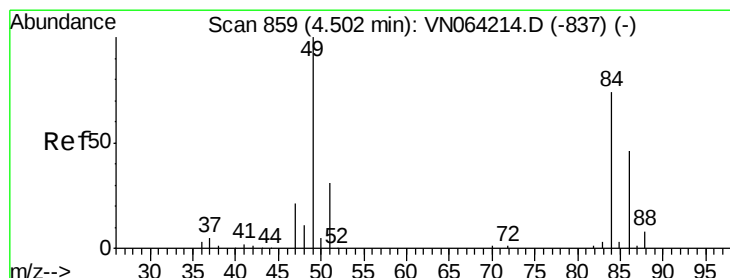
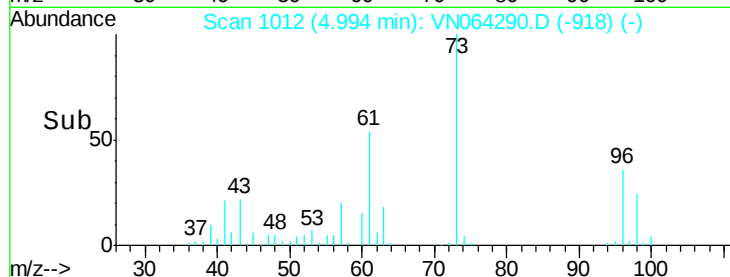
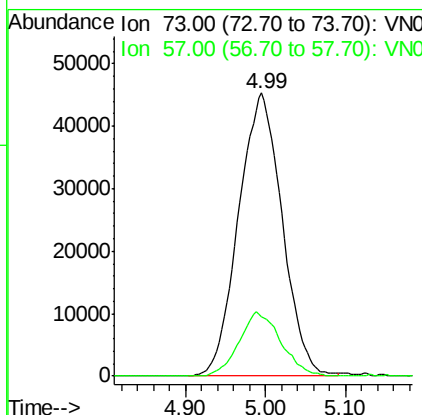
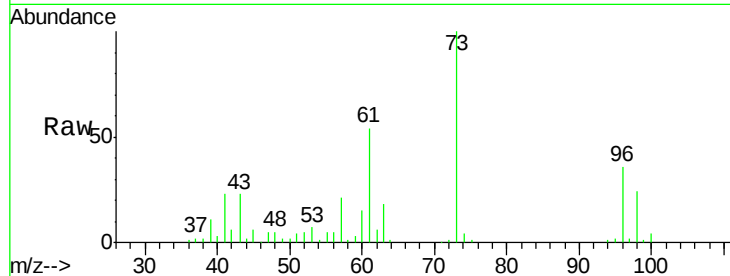
#19
Methvl tert-butvl Ether
Concen: 19.335 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion: 73 Resp: 168518
Ion Ratio Lower Upper
73 100
57 20.9 18.0 27.0

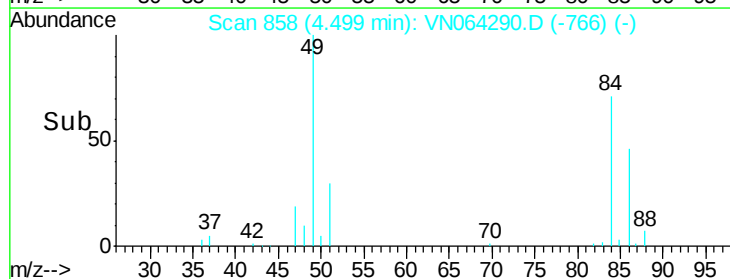
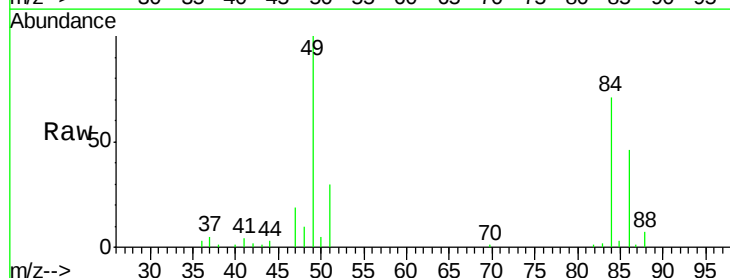
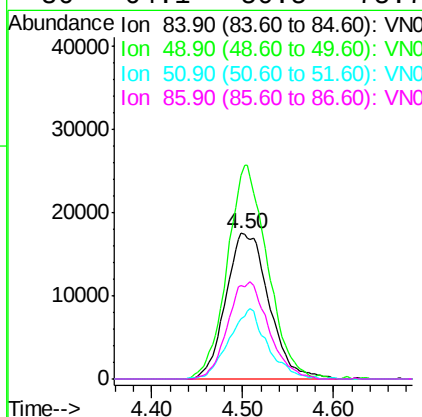
Manual Integrations
APPROVED

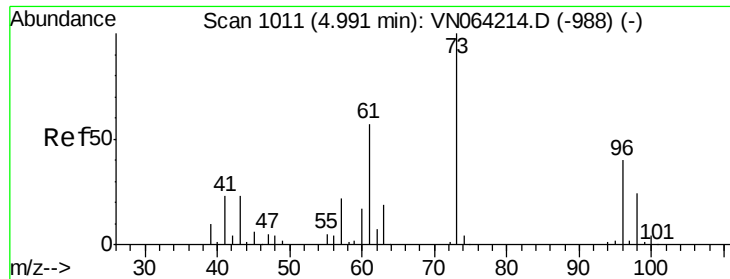
MMDadoda
10/26/2020 1:39:00 PM



#20
Methylene Chloride
Concen: 18.807 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 84 Resp: 57640
Ion Ratio Lower Upper
84 100
49 140.4 108.5 162.7
51 41.5 33.8 50.8
86 64.1 50.5 75.7





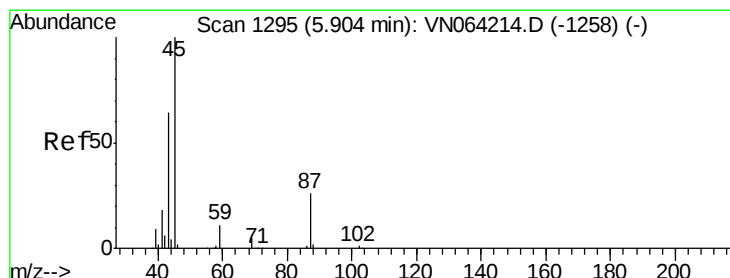
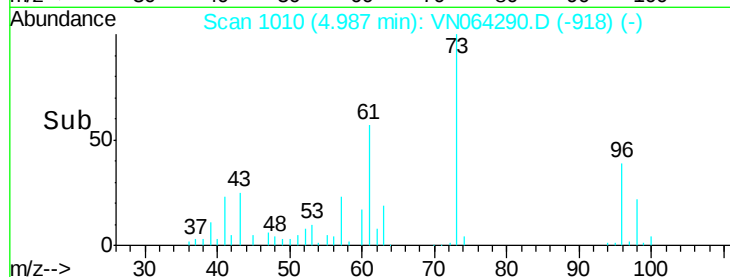
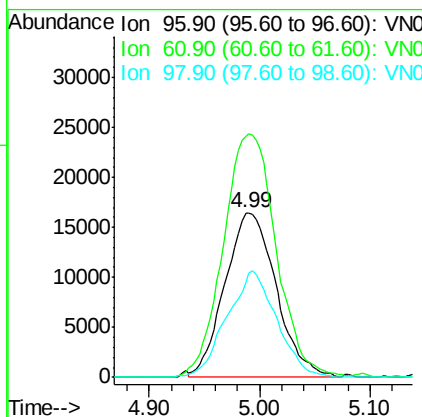
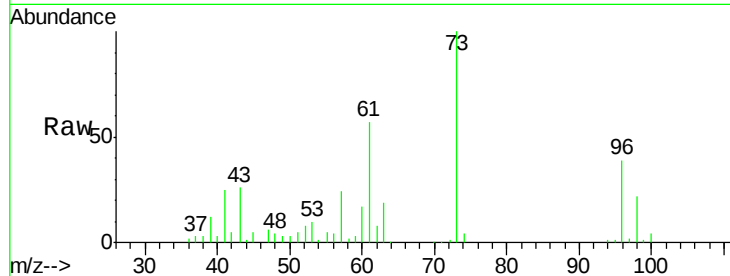
#21
trans-1,2-Dichloroethene
Concen: 18.953 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	115.8	173.6
98	57.9	49.4	74.0

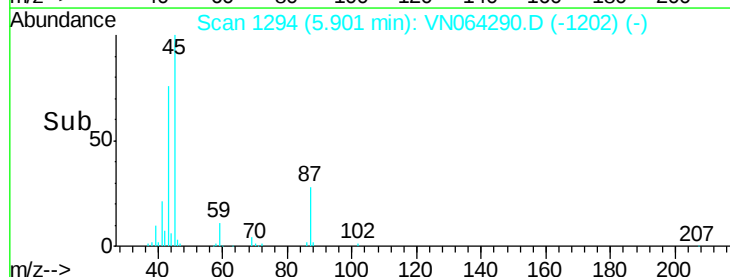
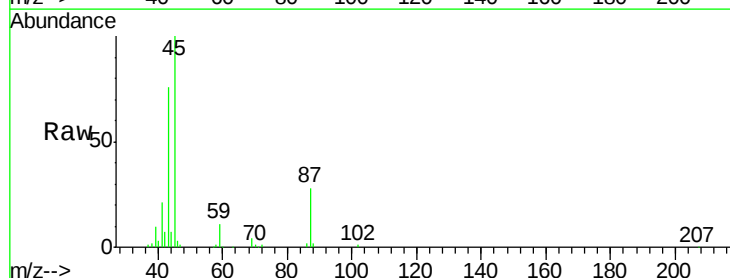
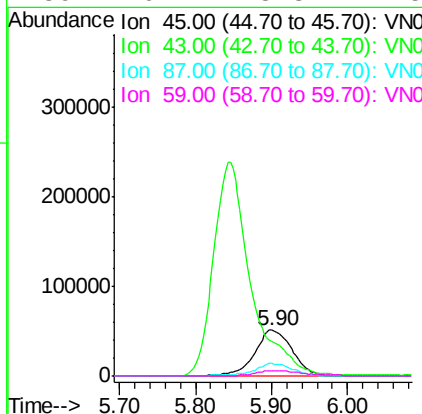
Manual Integrations
APPROVED

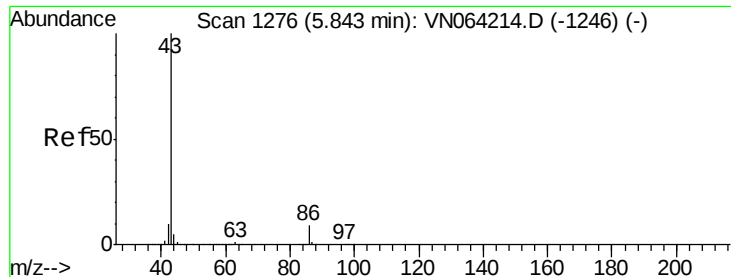
MMDadoda
10/26/2020 1:39:00 PM



#22
Diisopropyl ether
Concen: 18.678 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.4	52.2	78.4
87	27.6	21.4	32.0
59	10.2	8.3	12.5





#23

Vinyl Acetate

Concen: 96.745 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 43 Resp: 813813

Ion Ratio Lower Upper

43 100

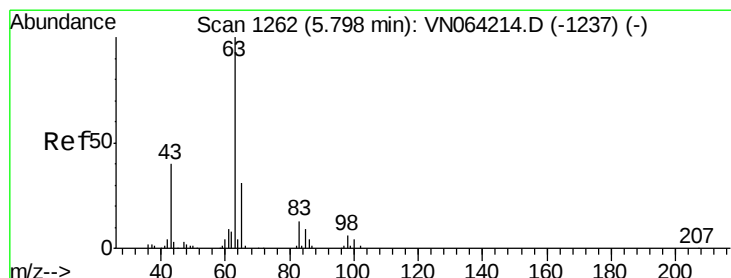
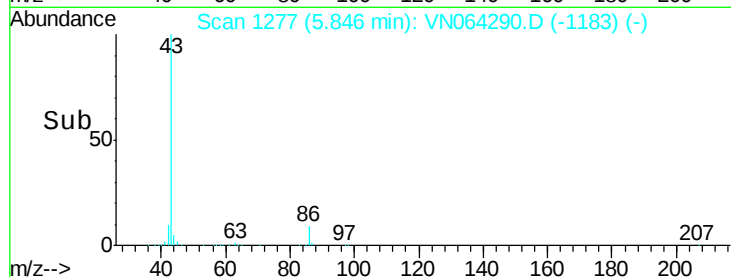
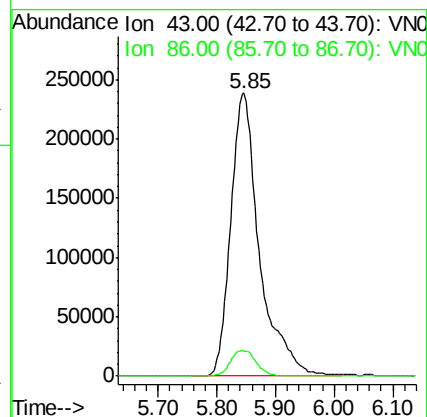
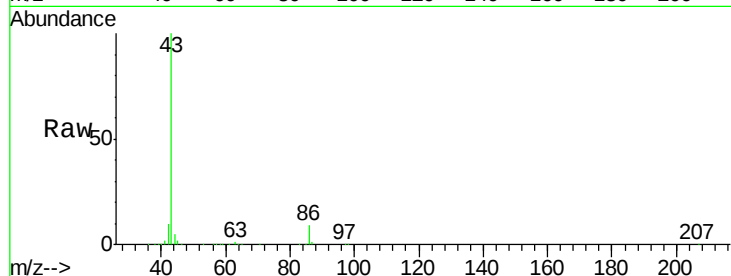
86 8.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:00 PM



#24

1,1-Dichloroethane

Concen: 19.229 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

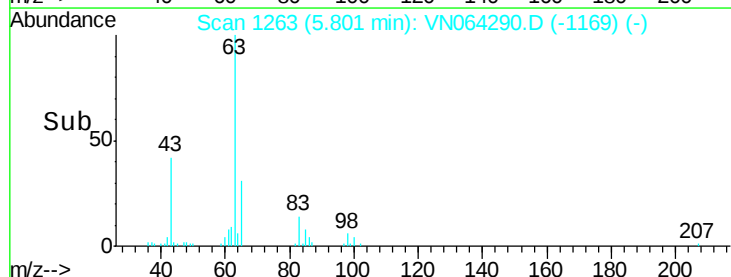
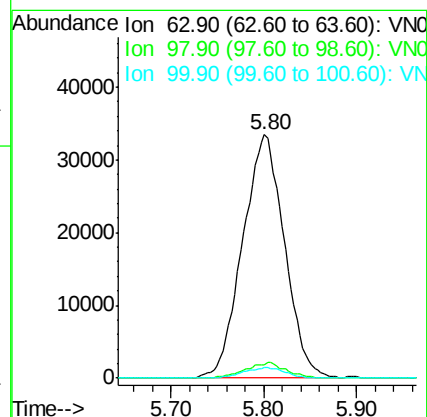
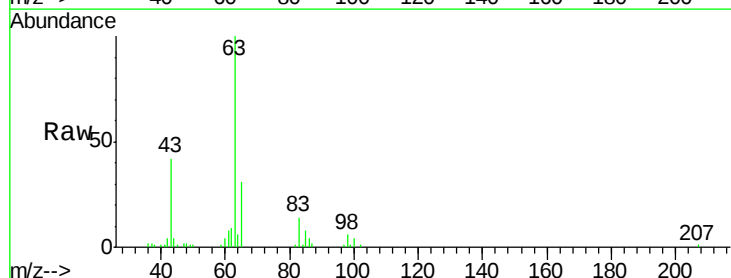
Tgt Ion: 63 Resp: 105072

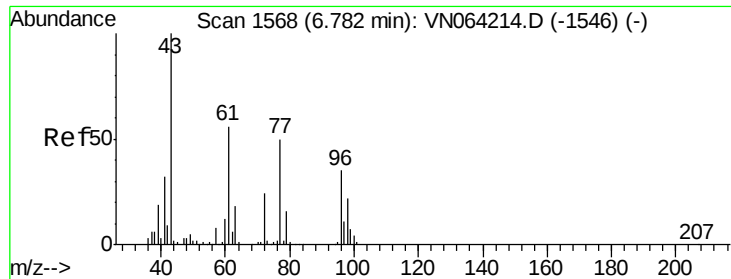
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 4.5 2.0 6.0





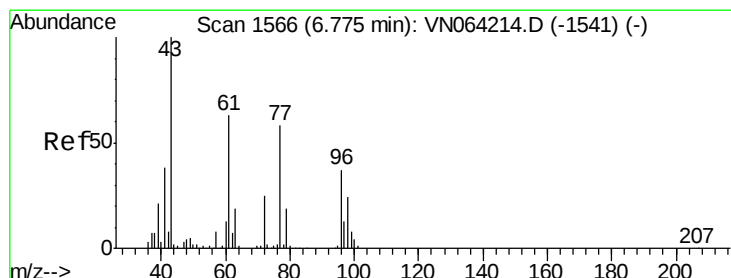
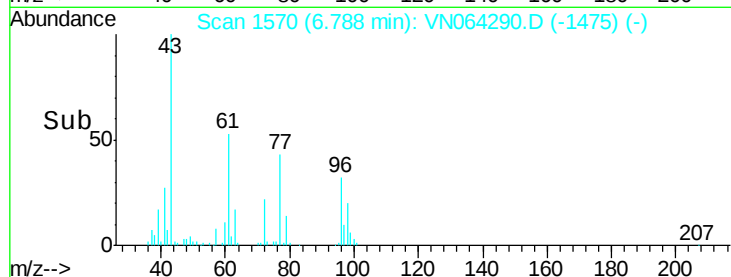
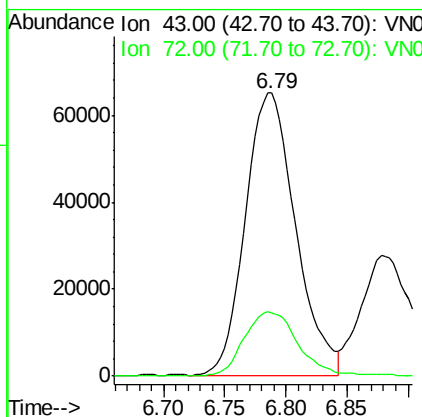
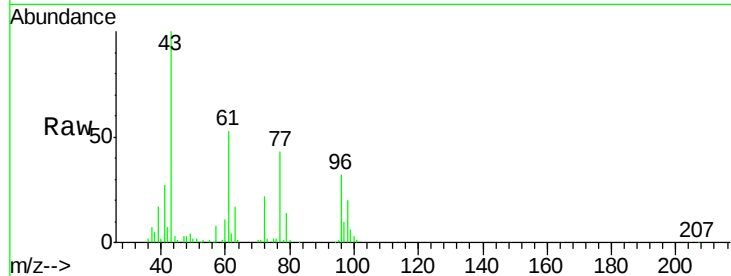
#25
2-Butanone
Concen: 101.597 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion: 43 Resp: 185528
Ion Ratio Lower Upper
43 100
72 22.3 19.4 29.0

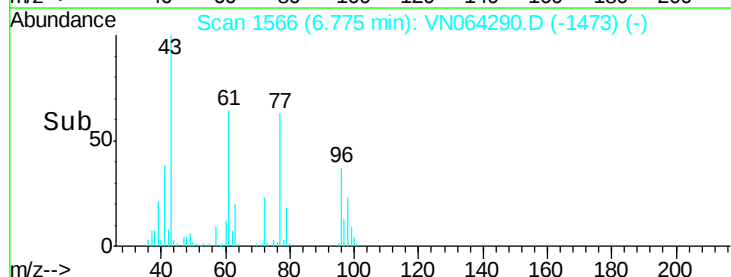
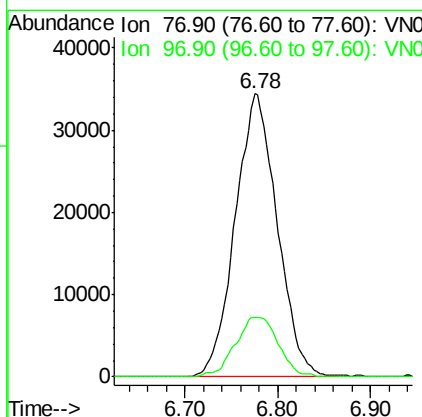
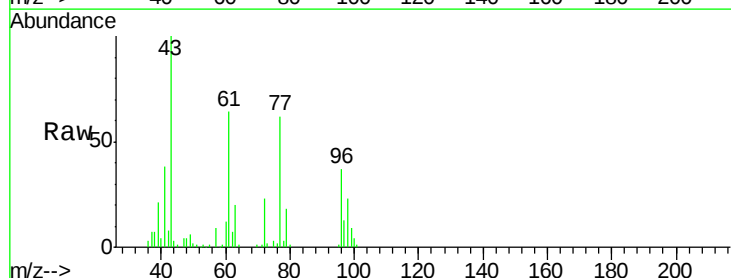
Manual Integrations
APPROVED

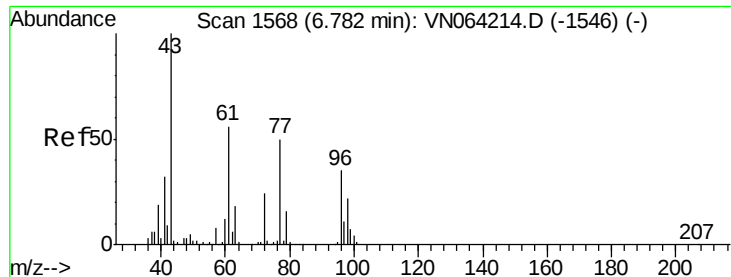
MMDadoda
10/26/2020 1:39:00 PM



#26
2,2-Dichloropropane
Concen: 19.859 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 77 Resp: 108032
Ion Ratio Lower Upper
77 100
97 21.5 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 19.035 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

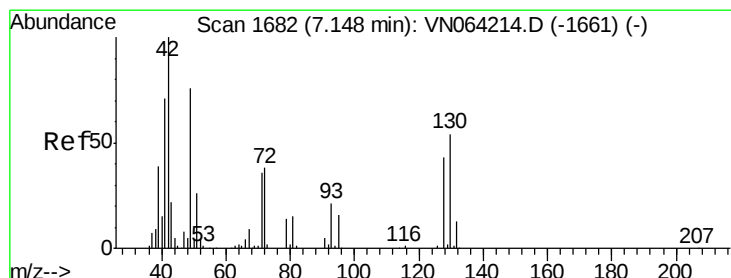
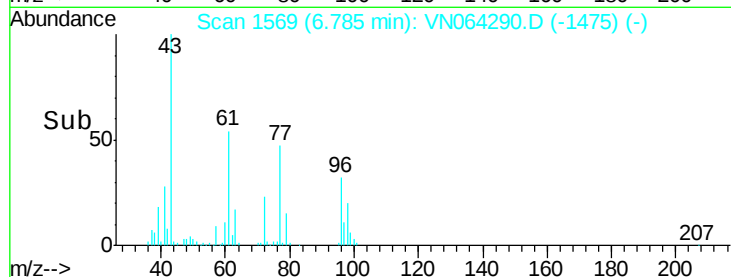
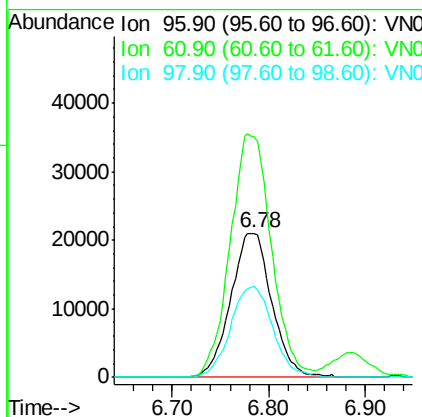
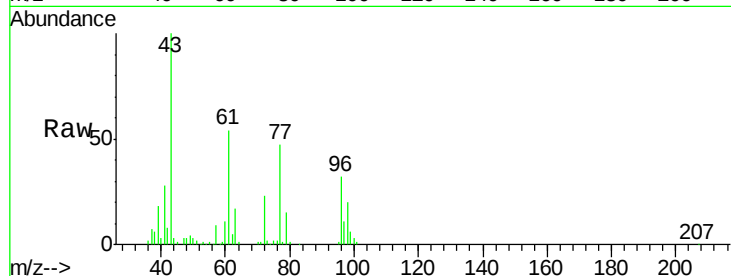
ClientSampleId :

VN1023MBS01

Tot Ion:	96	Resp:	61970
Ion	Ratio	Lower	Upper
96	100		
61	169.7	0.0	330.0
98	64.9	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM



#28

Bromochloromethane

Concen: 17.608 ug/l

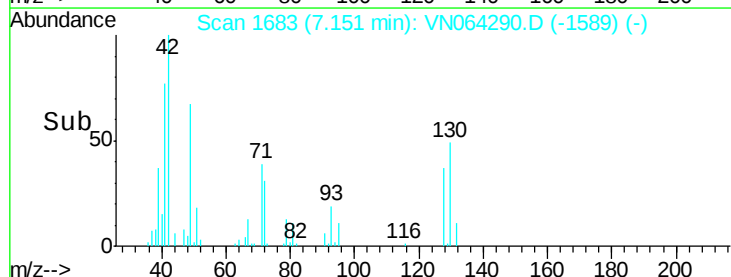
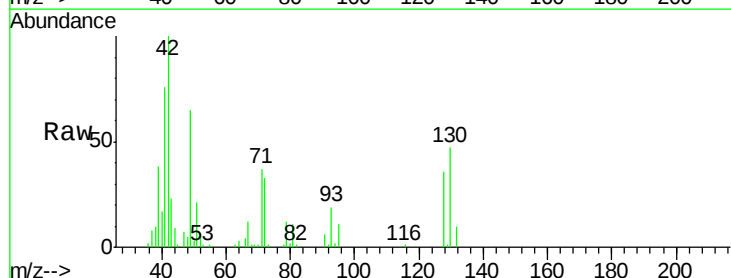
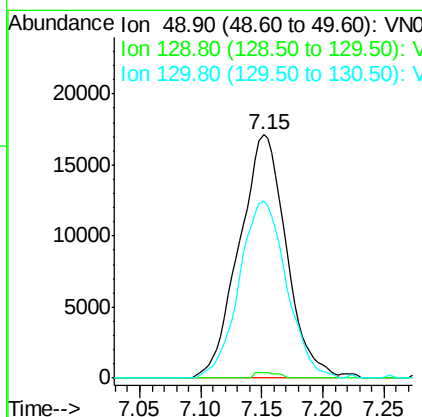
RT: 7.15 min Scan# 1683

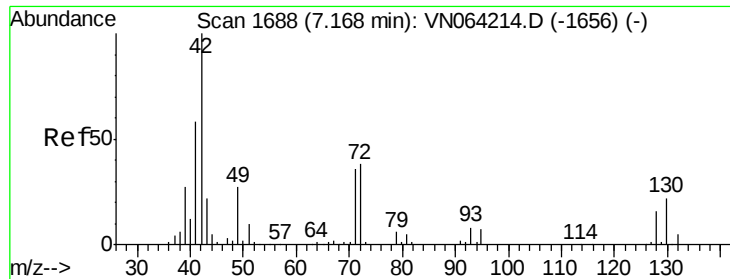
Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	49	Resp:	45707
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.8
130	73.0	58.8	88.2





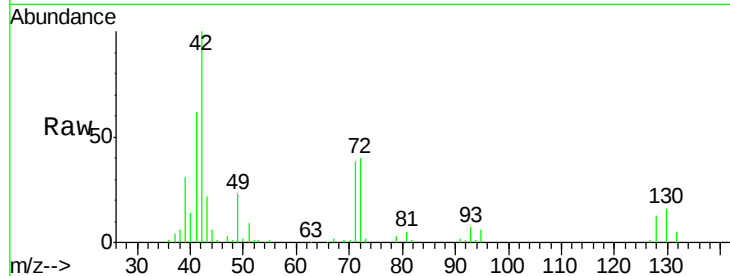
#29
Tetrahydrofuran
Concen: 99.909 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.8	46.2
71	36.9	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM

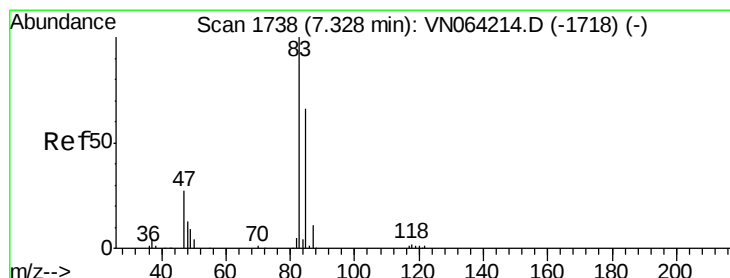
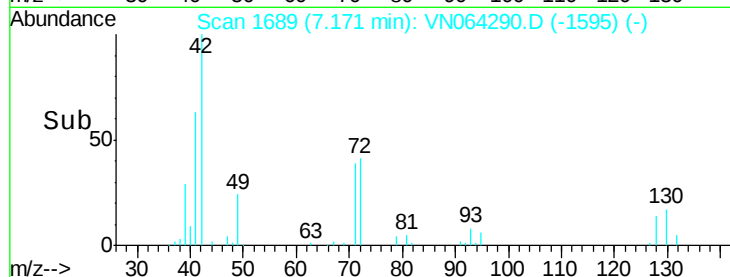
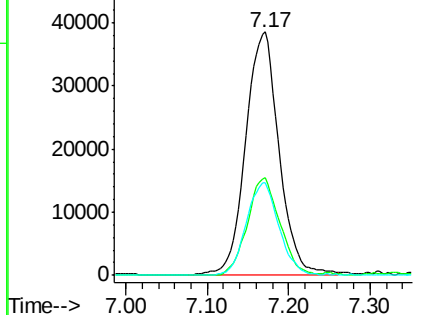


Abundance

Ion 42.00 (41.70 to 42.70): VN064214.D (-1656) (-)

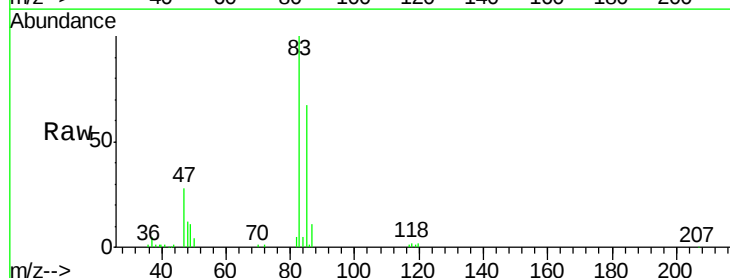
Ion 72.00 (71.70 to 72.70): VN064214.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN064214.D (-1656) (-)



#30
Chloroform
Concen: 19.028 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

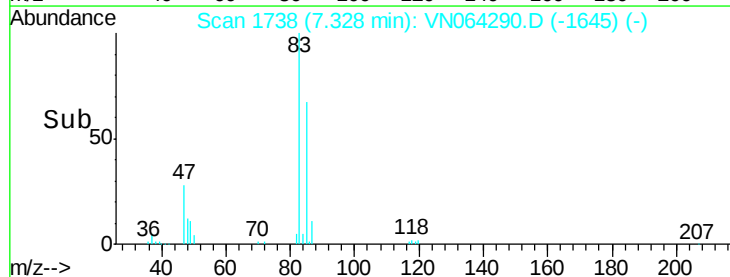
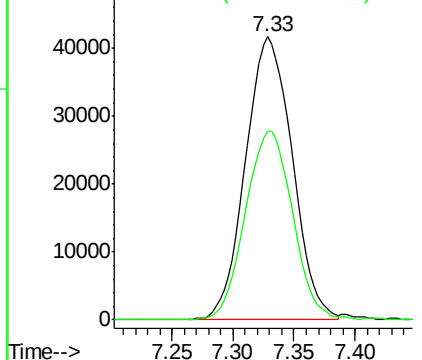
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.5	78.7

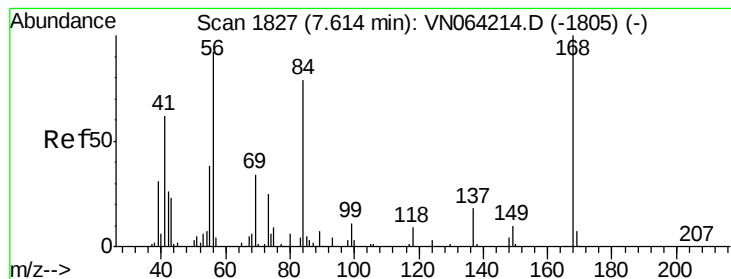


Abundance

Ion 82.90 (82.60 to 83.60): VN064214.D (-1718) (-)

Ion 84.90 (84.60 to 85.60): VN064214.D (-1718) (-)





#31

Cyclohexane

Concen: 18.106 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

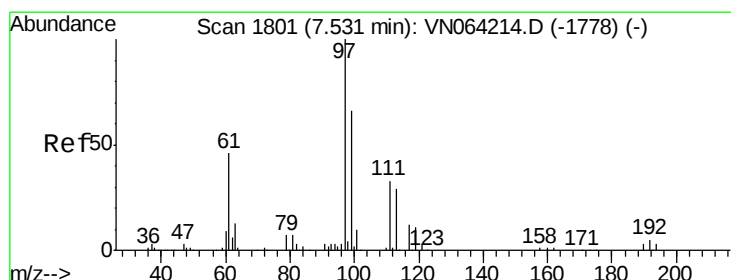
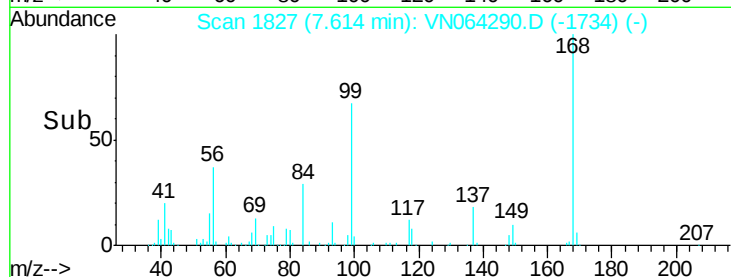
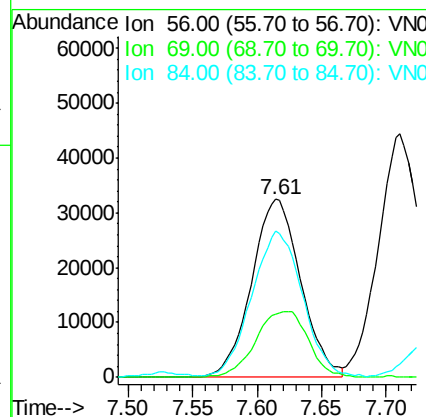
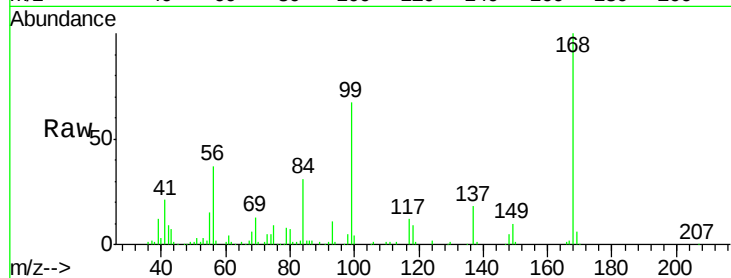
ClientSampleId :

VN1023MBS01

Tot Ion:	56	Resp:	86221
Ion Ratio	Lower	Upper	
56	100		
69	35.4	29.8	44.6
84	80.8	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM



#32

1,1,1-Trichloroethane

Concen: 19.904 ug/l

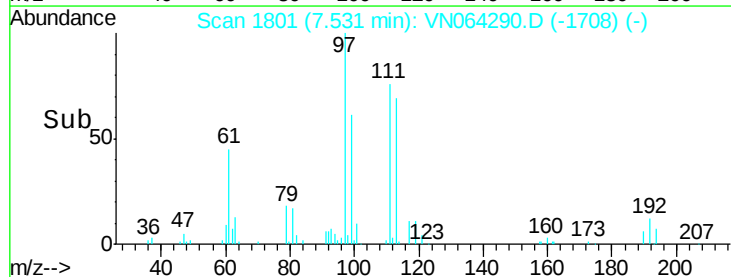
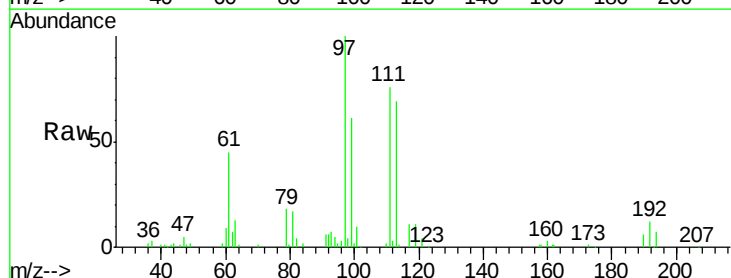
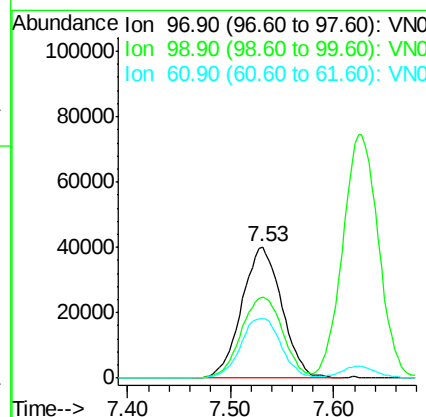
RT: 7.53 min Scan# 1801

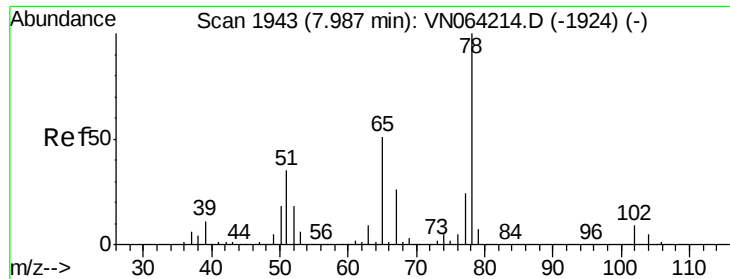
Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	97	Resp:	108683
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.2	76.8
61	45.8	36.3	54.5





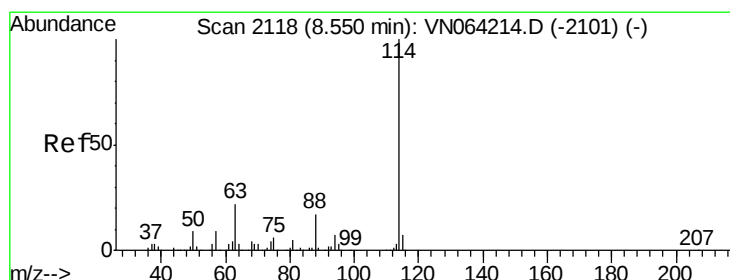
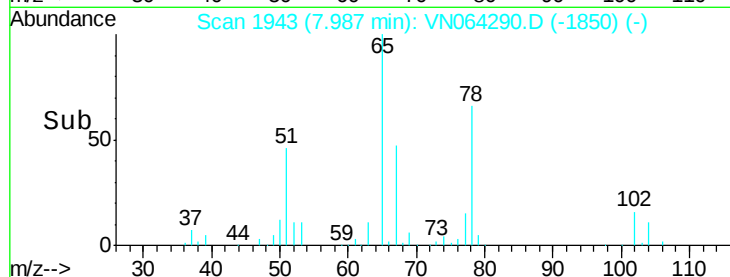
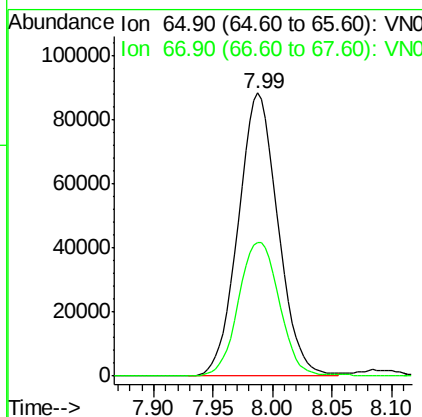
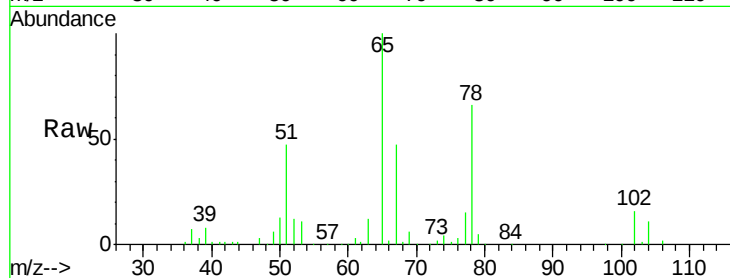
#33
 1,2-Dichloroethane-d4
 Concen: 50.907 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	204500		
67	48.4	0.0	100.2	

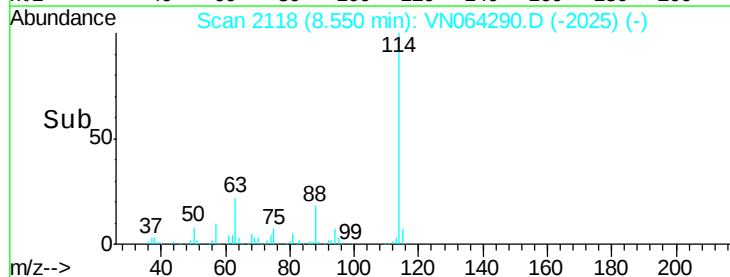
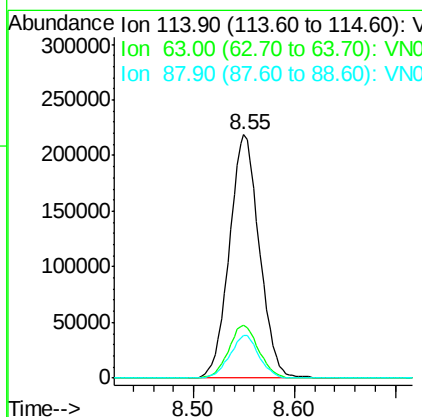
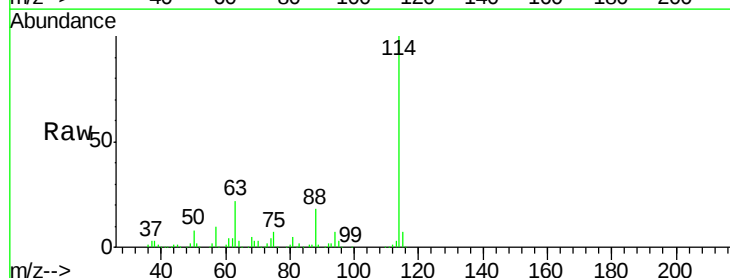
Manual Integrations
 APPROVED

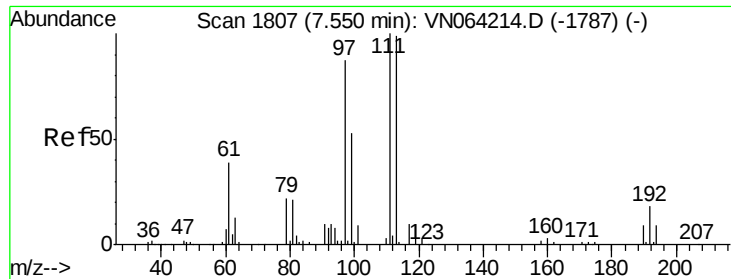
MMDadoda
 10/26/2020 1:39:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	452056		
63	21.5	0.0	44.0	
88	17.7	0.0	34.2	





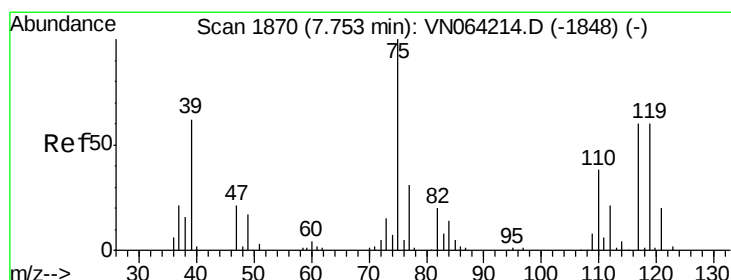
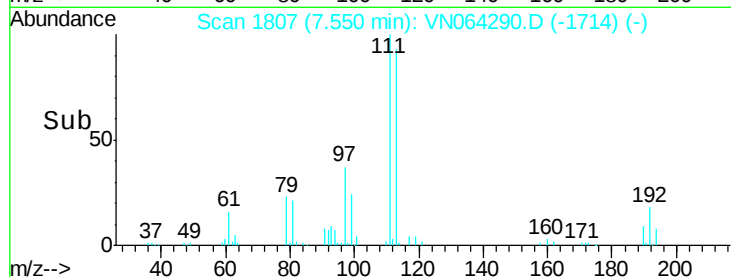
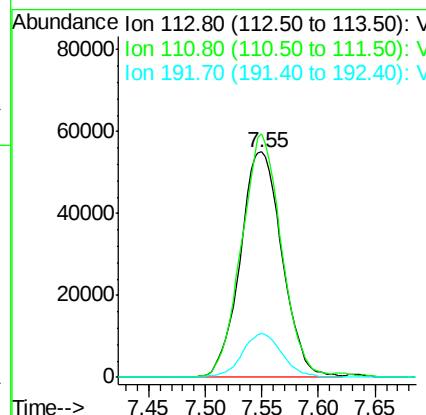
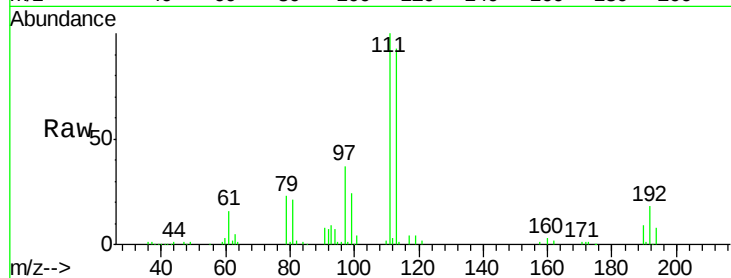
#35
 Dibromofluoromethane
 Concen: 47.211 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141893		
111	103.2	84.2	126.2	
192	18.5	15.2	22.8	

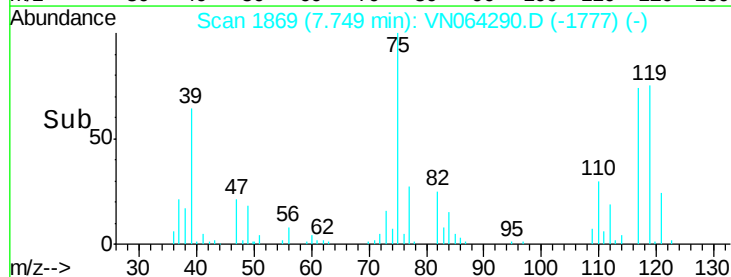
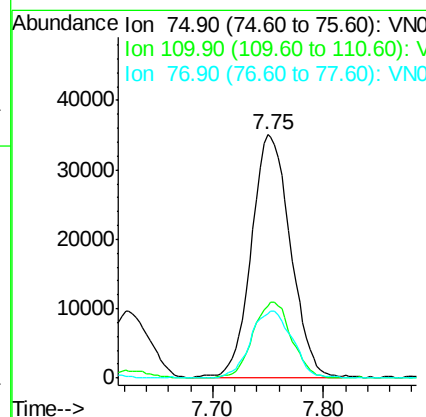
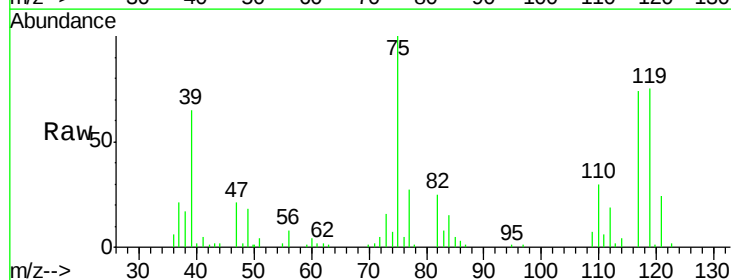
Manual Integrations
 APPROVED

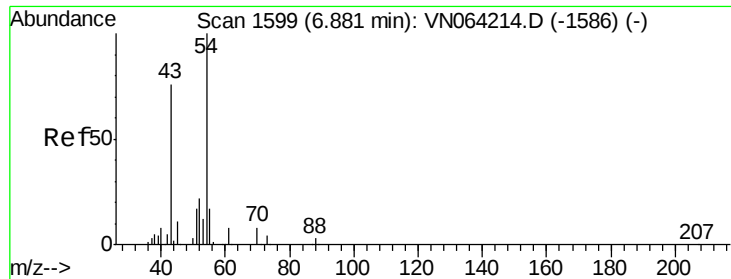
MMDadoda
 10/26/2020 1:39:00 PM



#36
 1,1-Dichloropropene
 Concen: 19.138 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86249		
110	30.9	17.2	51.6	
77	29.3	24.9	37.3	





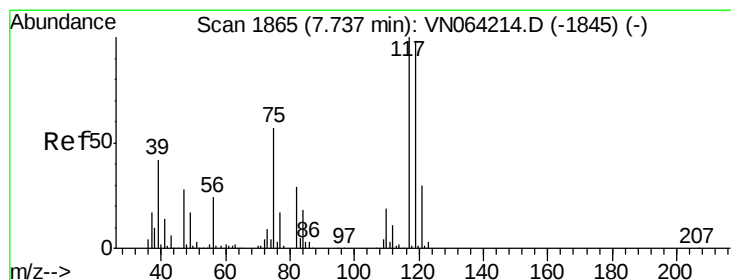
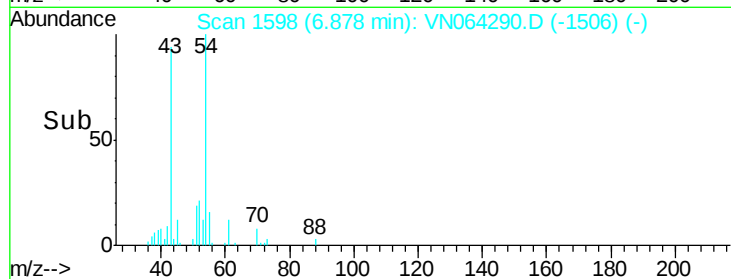
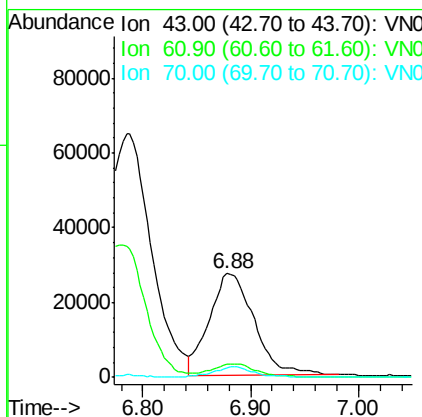
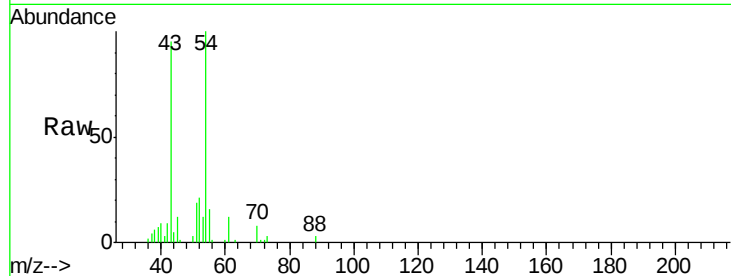
#37
Ethyl Acetate
Concen: 19.211 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	10.0	15.0
70	9.2	7.5	11.3

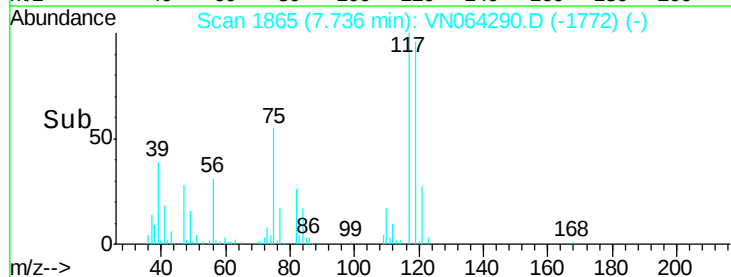
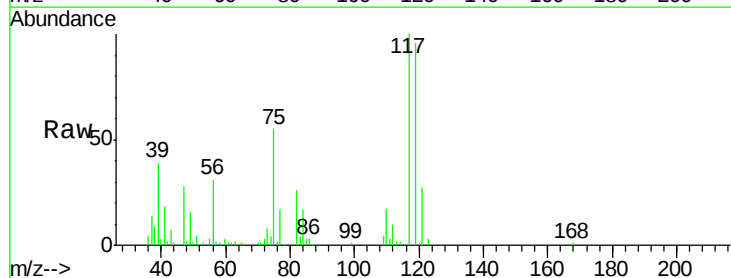
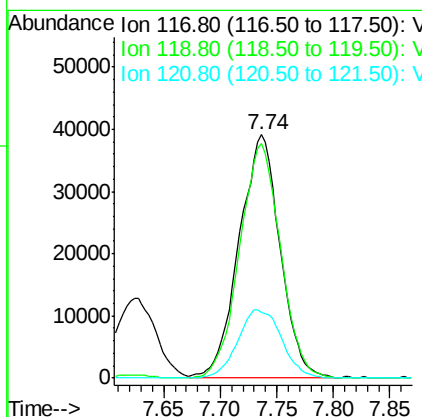
Manual Integrations
APPROVED

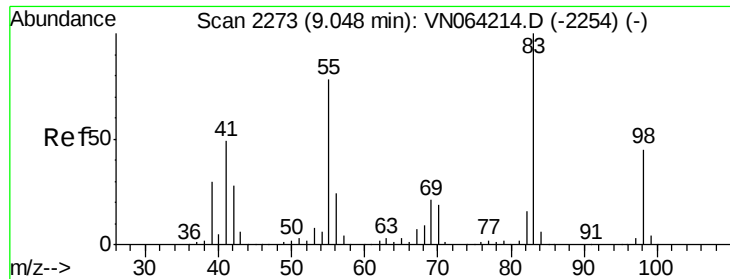
MMDadoda
10/26/2020 1:39:00 PM



#38
Carbon Tetrachloride
Concen: 19.211 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.5	117.7
121	27.0	24.3	36.5





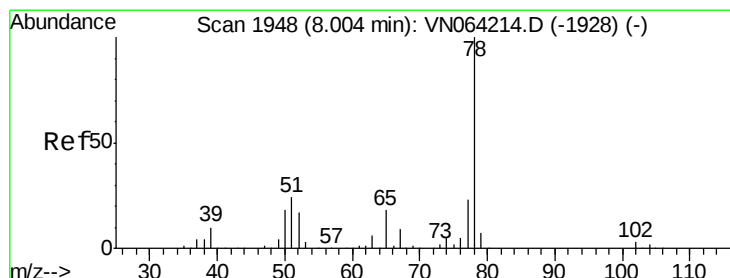
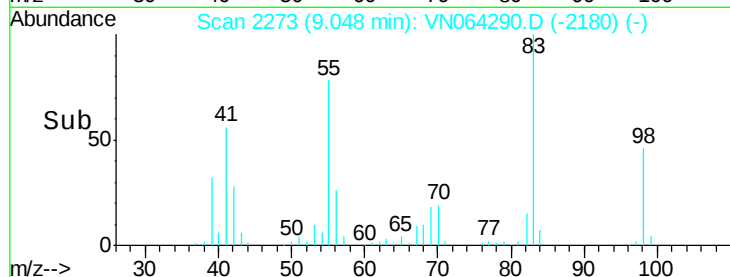
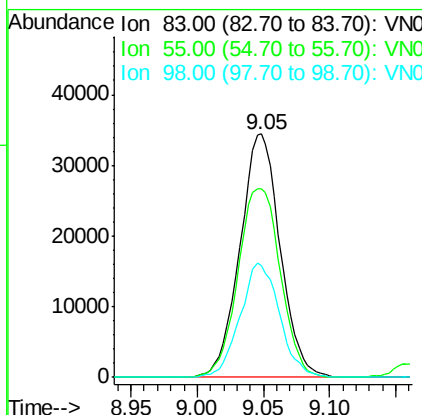
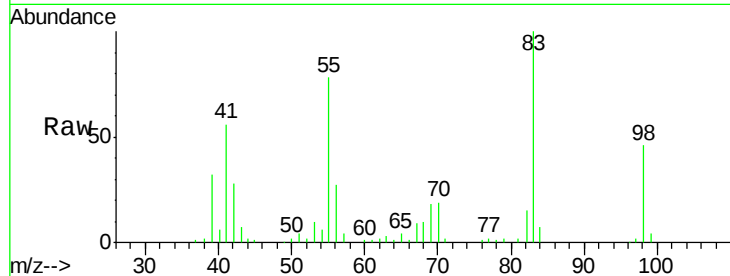
#39
Methvlcvclohexane
Concen: 17.708 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	62.2	93.2
98	45.8	35.9	53.9

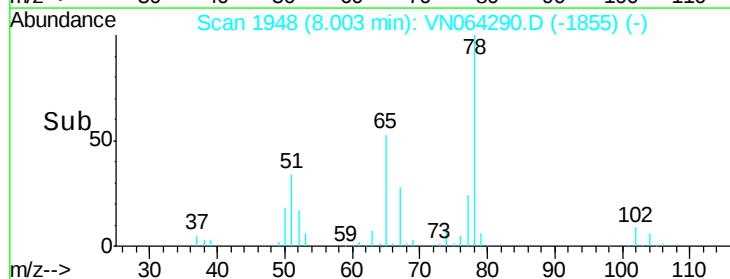
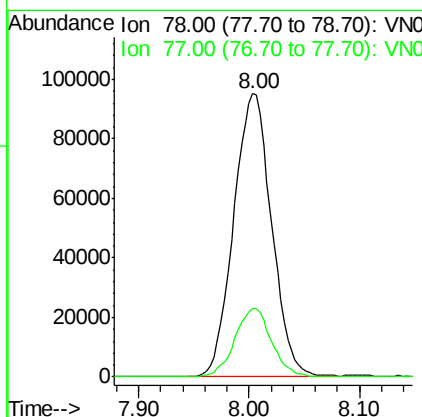
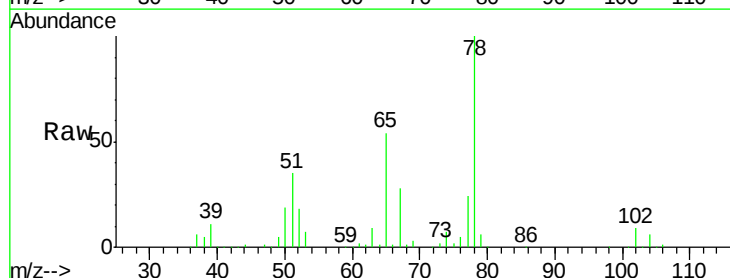
Manual Integrations
APPROVED

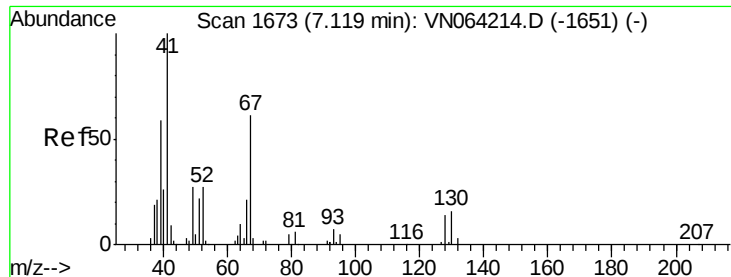
MMDadoda
10/26/2020 1:39:00 PM



#40
Benzene
Concen: 18.271 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.3	27.5





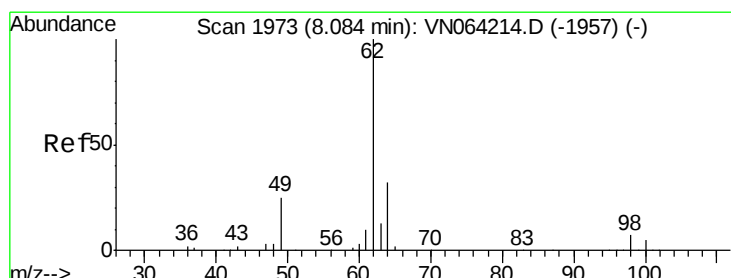
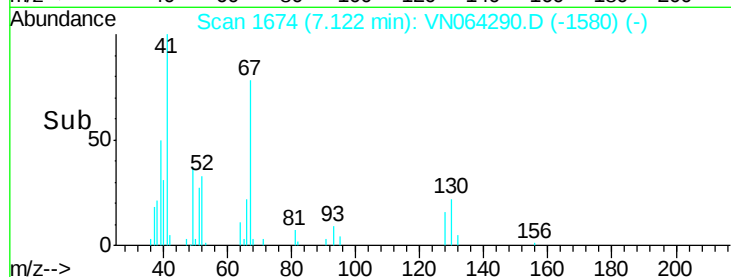
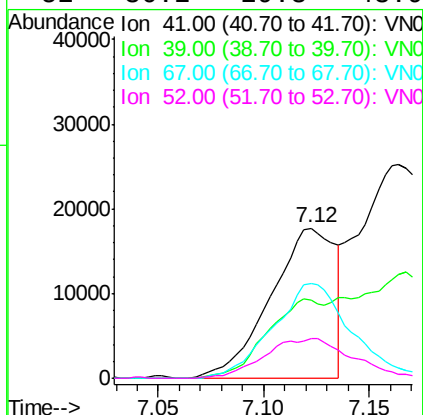
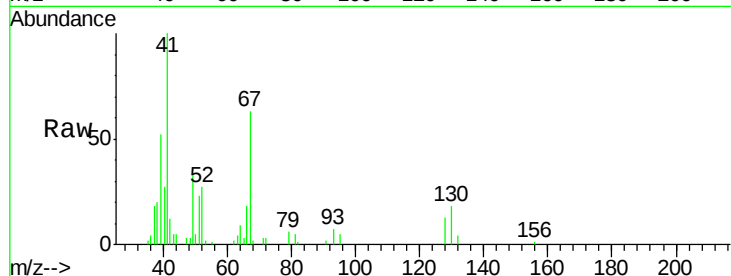
#41
Methacrylonitrile
Concen: 17.579 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		37733		
39	45.9	50.5	75.7#		
67	76.6	63.2	94.8		
52	36.2	29.3	43.9		

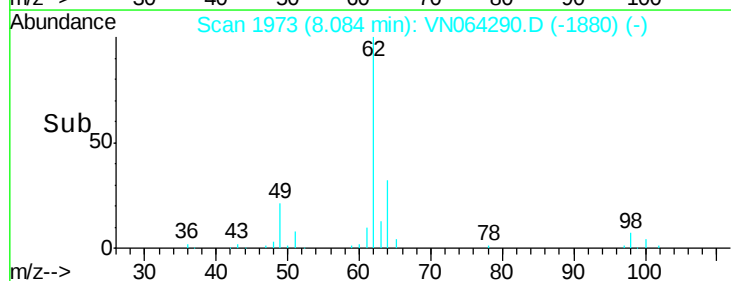
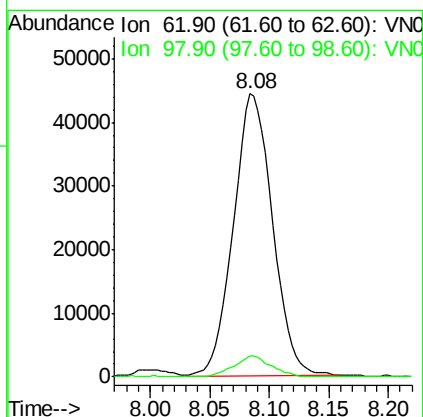
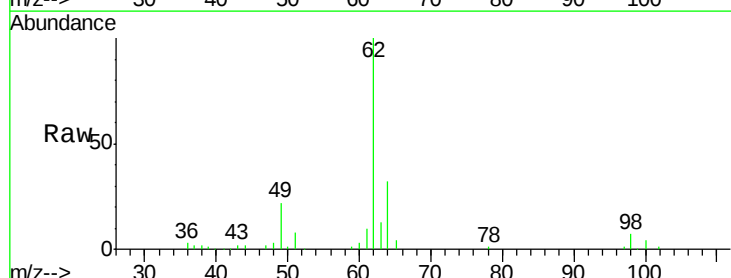
Manual Integrations
APPROVED

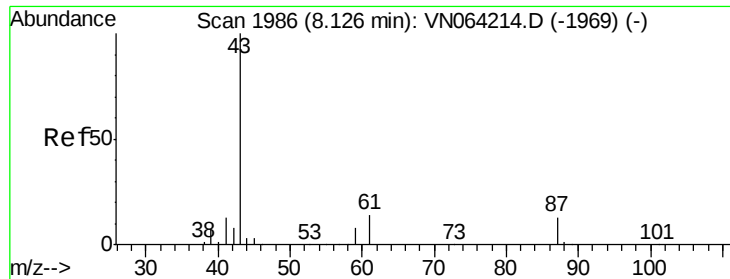
MMDadoda
10/26/2020 1:39:00 PM



#42
1,2-Dichloroethane
Concen: 18.941 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		100945		
98	7.0	0.0	15.0		





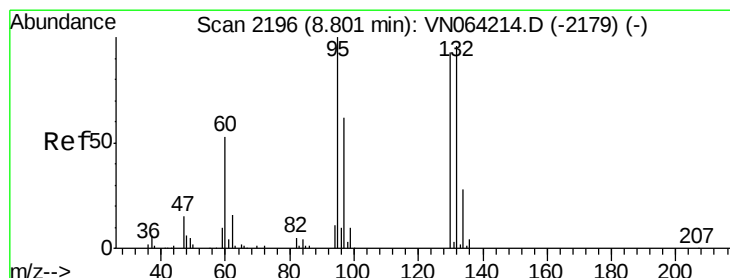
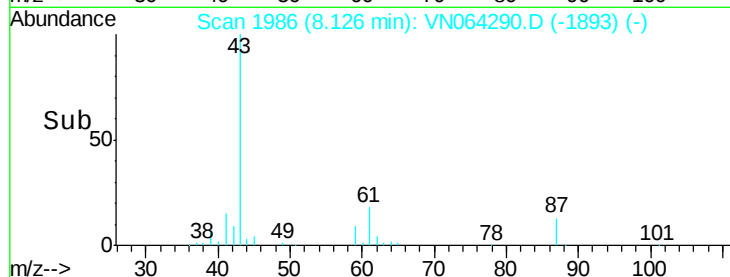
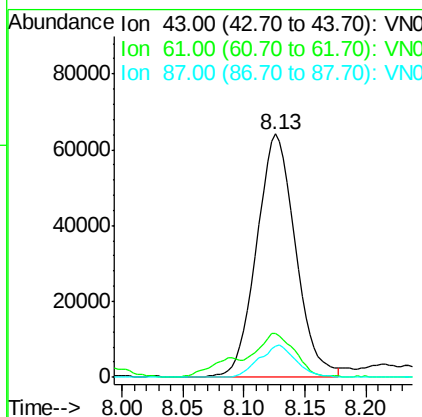
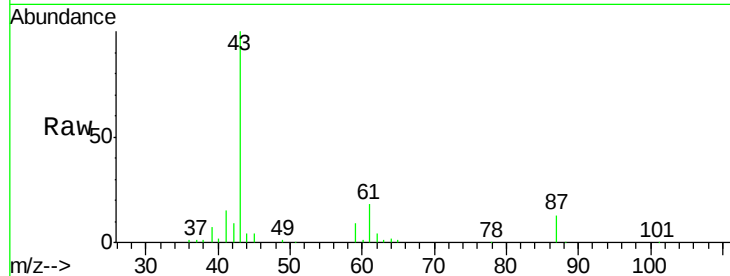
#43
Isopropyl Acetate
Concen: 18.663 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	19.6	29.4#
87	12.5	9.8	14.6

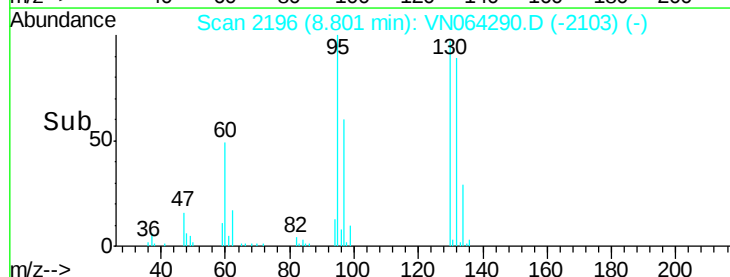
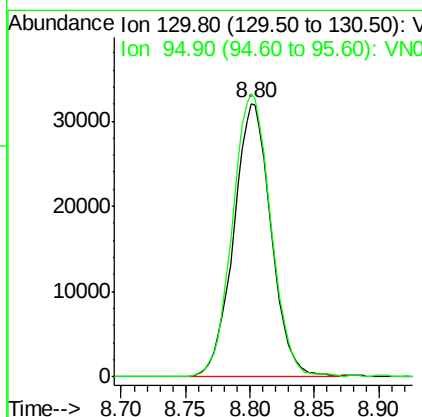
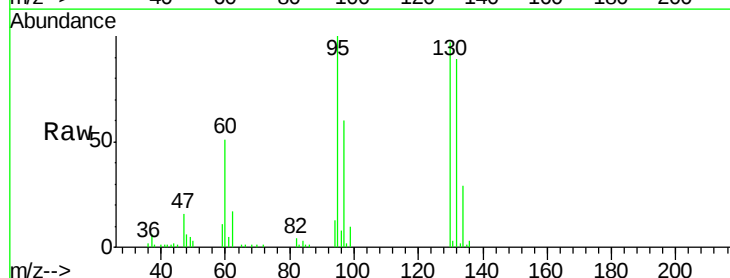
Manual Integrations
APPROVED

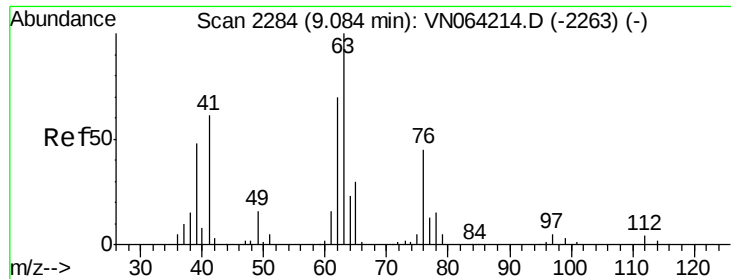
MMDadoda
10/26/2020 1:39:00 PM



#44
Trichloroethene
Concen: 19.105 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	214.0





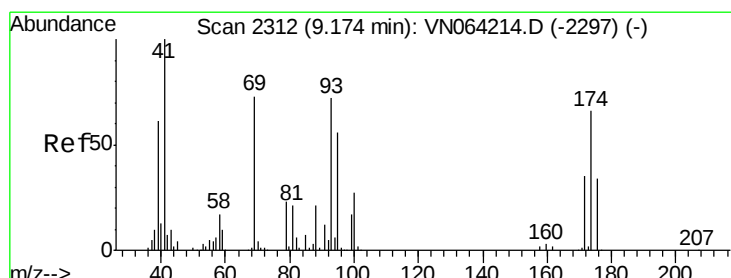
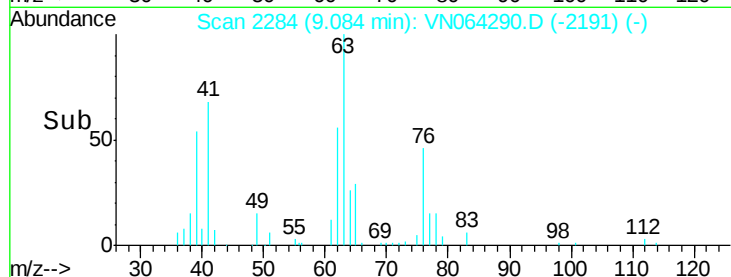
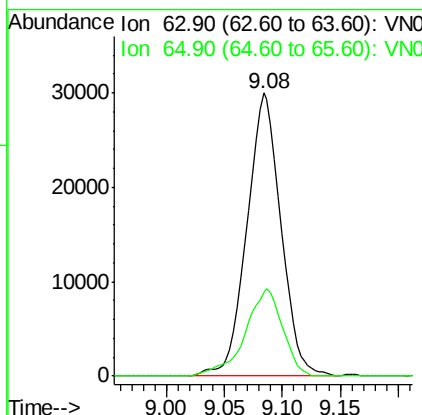
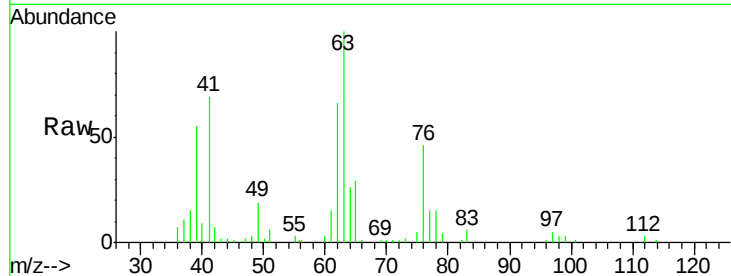
#45
 1,2-Dichloropropane
 Concen: 18.490 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion: 63 Resp: 61409
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.0 36.0

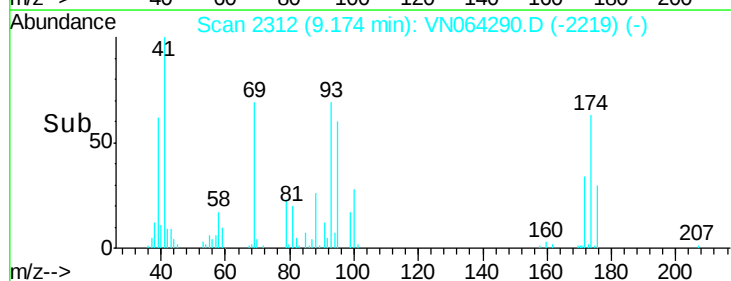
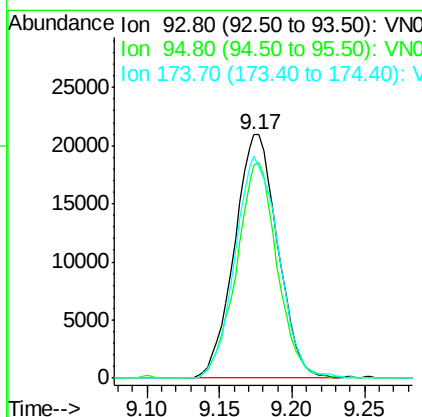
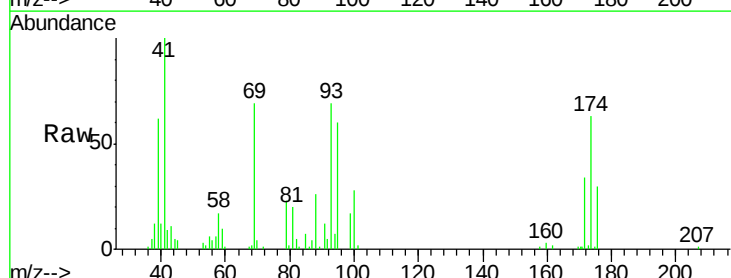
Manual Integrations
 APPROVED

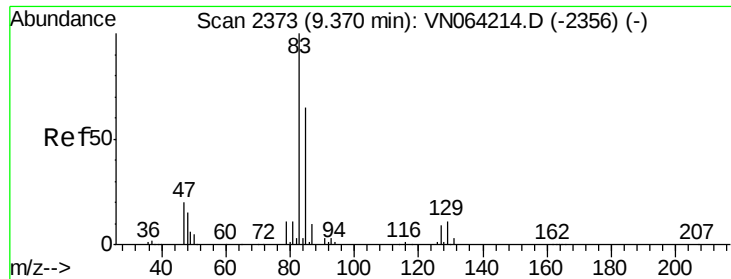
MMDadoda
 10/26/2020 1:39:00 PM



#46
 Dibromomethane
 Concen: 19.381 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 93 Resp: 43222
 Ion Ratio Lower Upper
 93 100
 95 83.2 63.0 94.4
 174 92.0 72.9 109.3





#47

Bromodichloromethane

Concen: 18.860 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

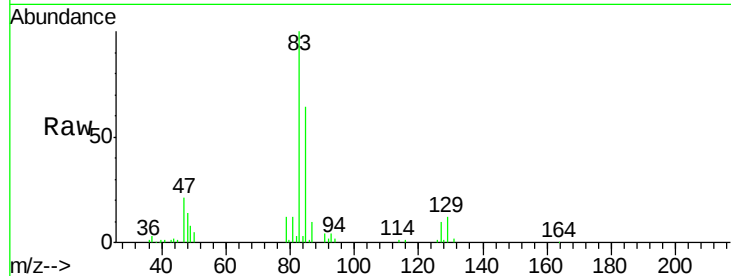
ClientSampleId :

VN1023MBS01

Tot Ion:	83	Resp:	92924
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.8
127	9.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM

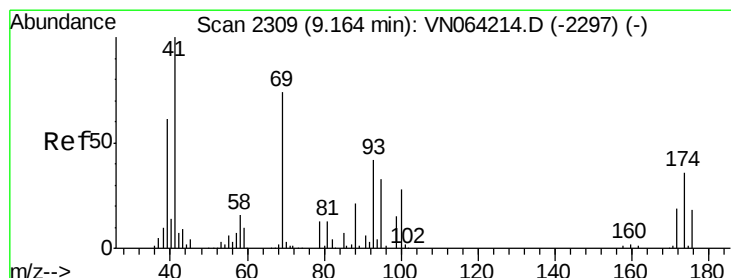
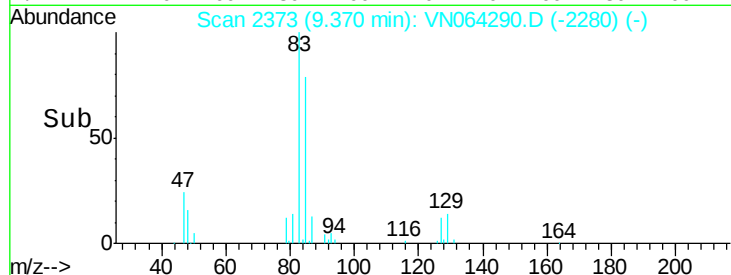


Abundance Ion 82.90 (82.60 to 83.60): VN064290.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064290.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064290.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.179 ug/l

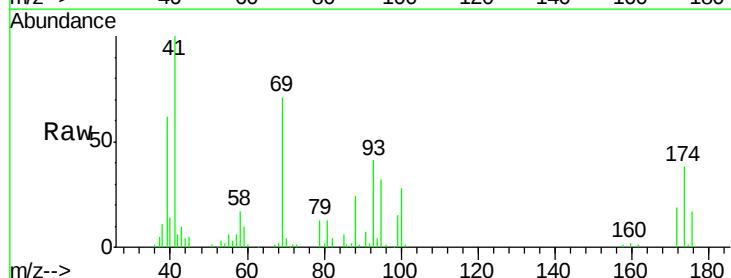
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	41	Resp:	72418
Ion	Ratio	Lower	Upper
41	100		
69	68.9	57.3	85.9
39	62.7	48.6	73.0

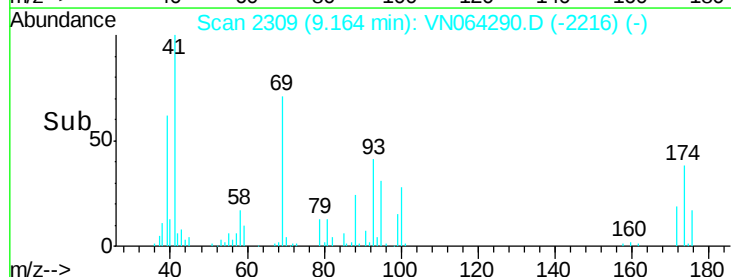


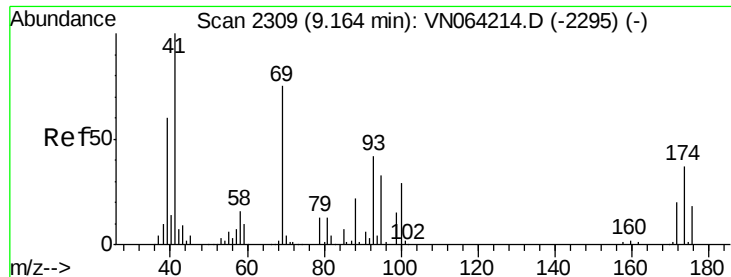
Abundance Ion 41.00 (40.70 to 41.70): VN064290.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064290.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064290.D (-2216) (-)

Time-->





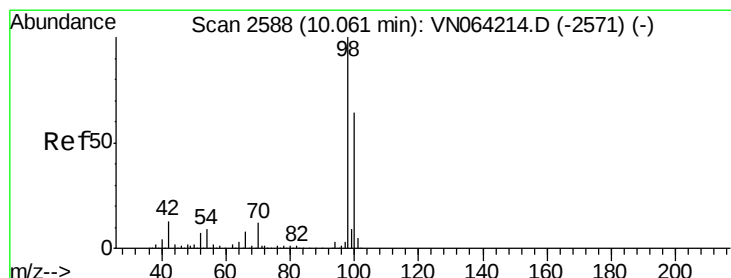
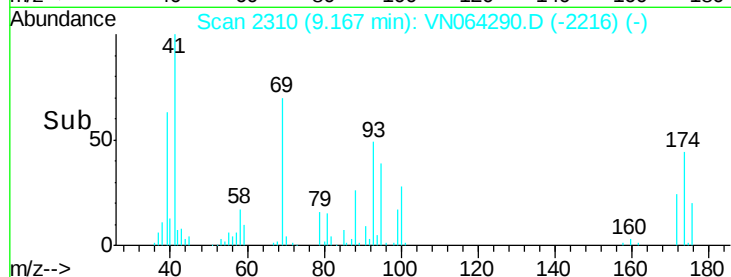
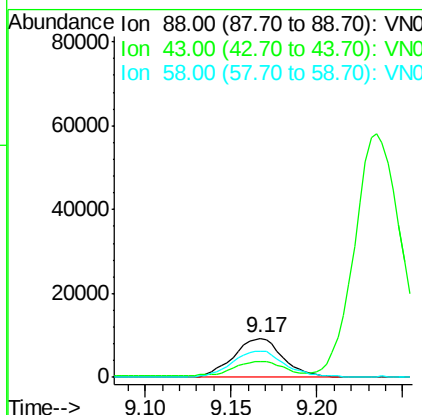
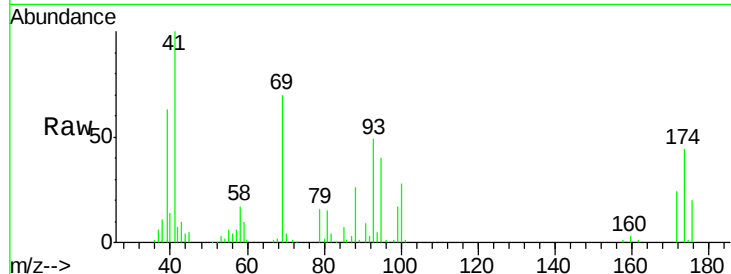
#49
1,4-Dioxane
Concen: 397.681 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	88	Resp	18536
Ion Ratio	100	Lower	Upper
88	100		
43	38.7	34.6	52.0
58	72.1	59.0	88.6

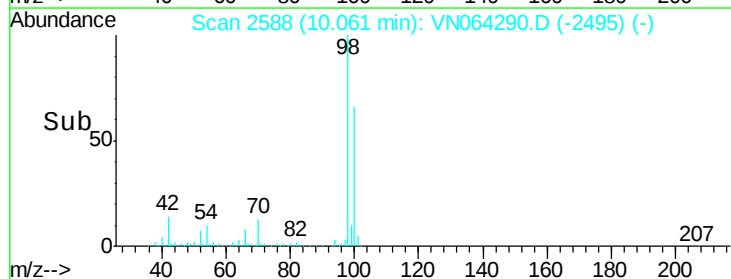
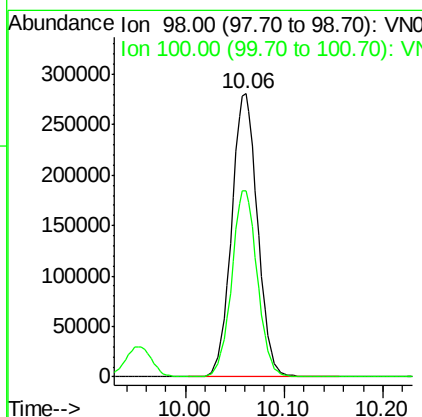
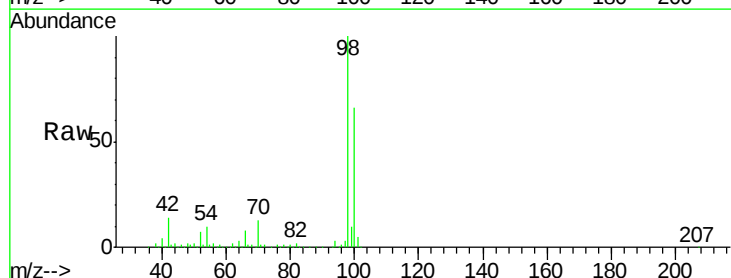
Manual Integrations
APPROVED

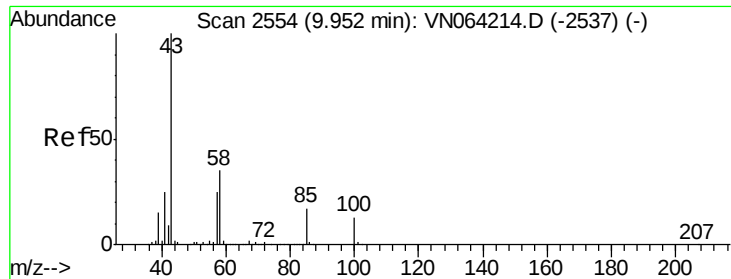
MMDadoda
10/26/2020 1:39:00 PM



#50
Toluene-d8
Concen: 47.221 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	98	Resp	514826
Ion Ratio	100	Lower	Upper
98	100		
100	64.7	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 97.106 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 43 Resp: 395770

Ion Ratio Lower Upper

43 100

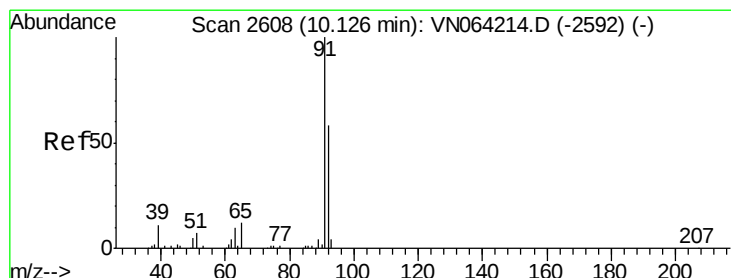
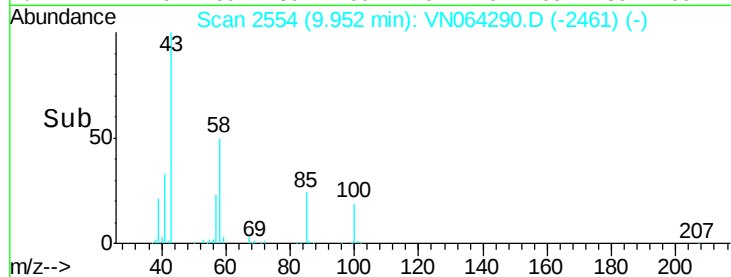
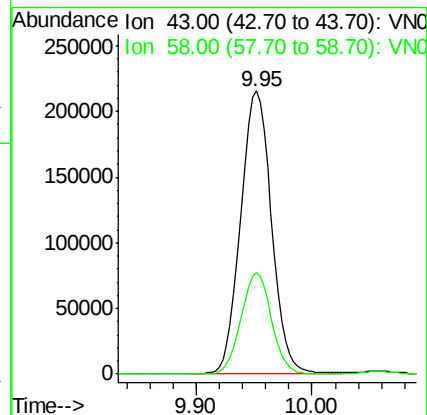
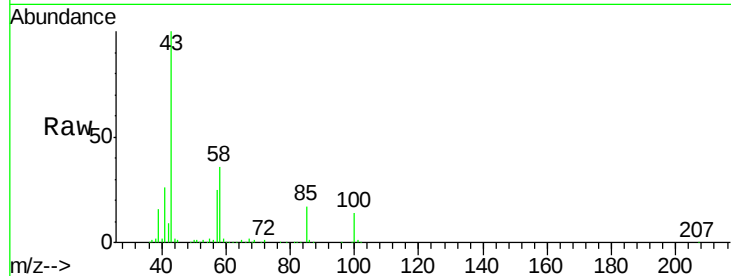
58 35.3 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:00 PM



#52

Toluene

Concen: 18.056 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064290.D

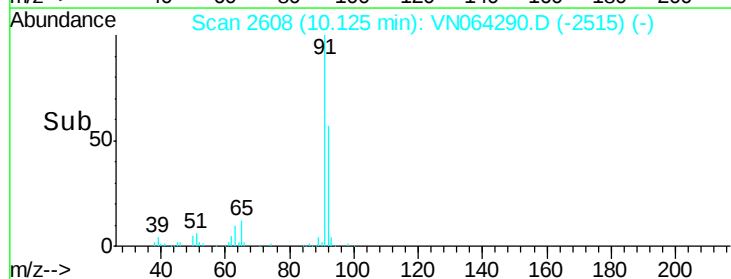
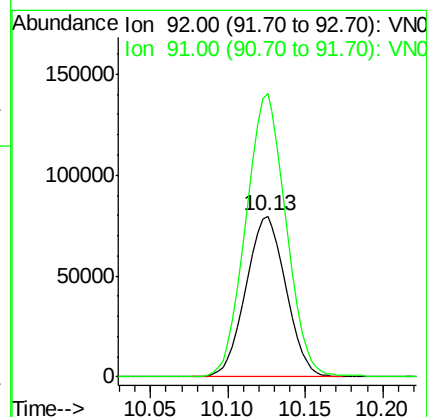
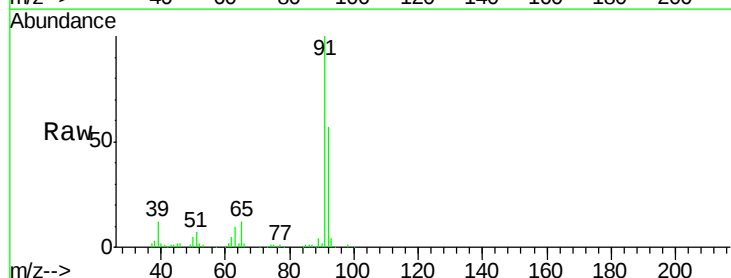
Acq: 23 Oct 2020 16:55

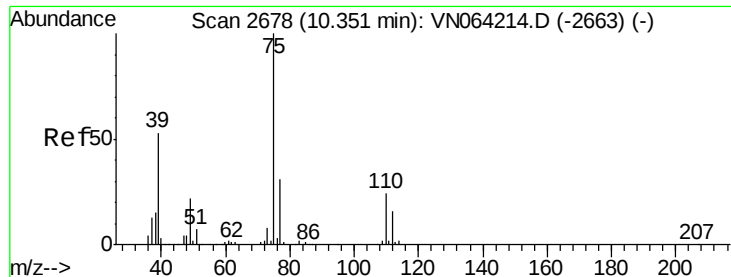
Tgt Ion: 92 Resp: 143731

Ion Ratio Lower Upper

92 100

91 176.9 137.4 206.2





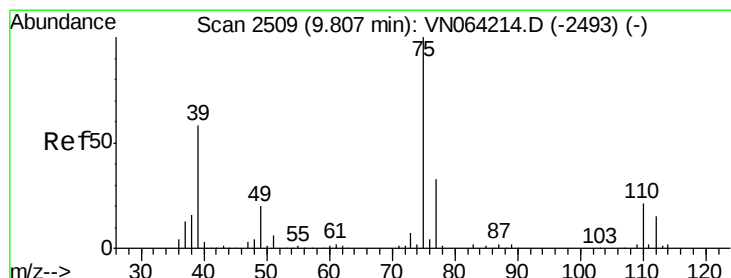
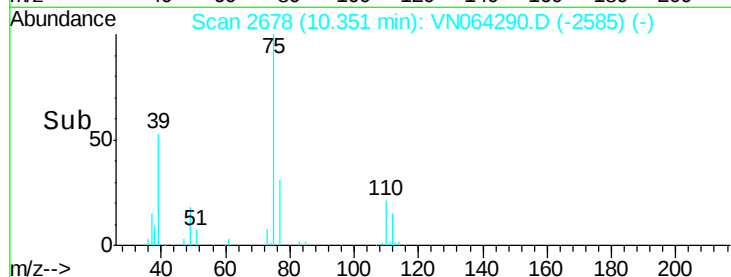
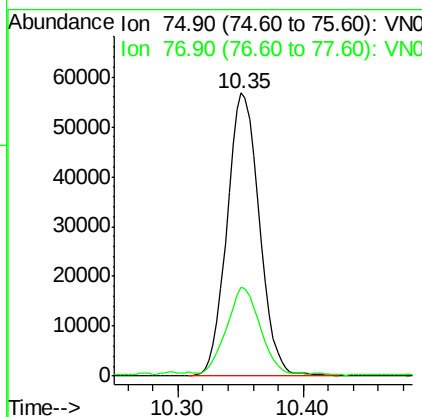
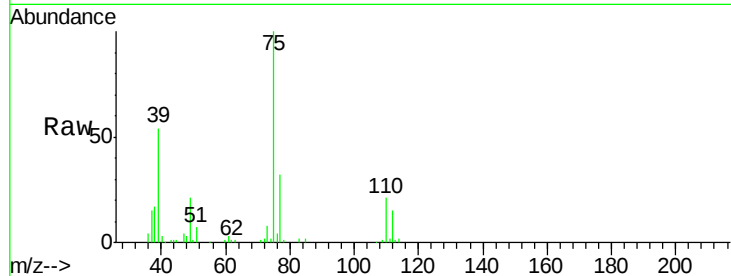
#53
t-1,3-Dichloropropene
Concen: 18.600 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion: 75 Resp: 101799
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

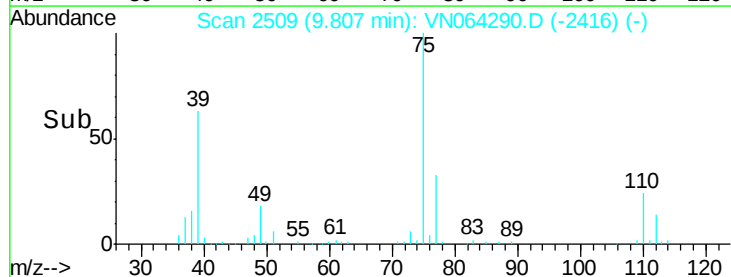
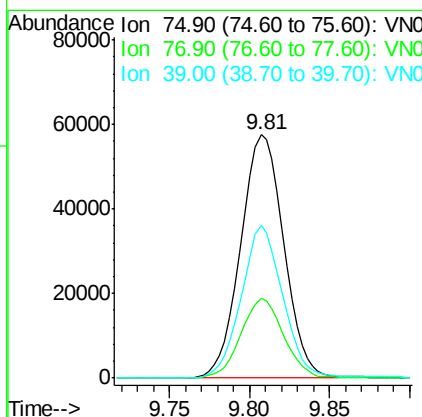
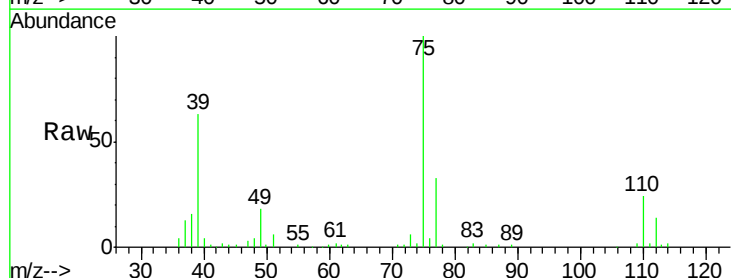
Manual Integrations
APPROVED

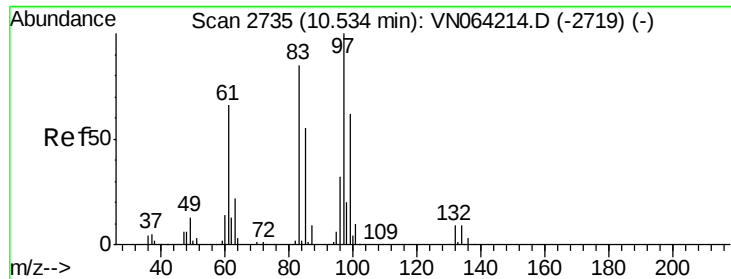
MMDadoda
10/26/2020 1:39:00 PM



#54
cis-1,3-Dichloropropene
Concen: 18.351 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 75 Resp: 105752
Ion Ratio Lower Upper
75 100
77 32.7 26.6 39.8
39 62.6 46.7 70.1





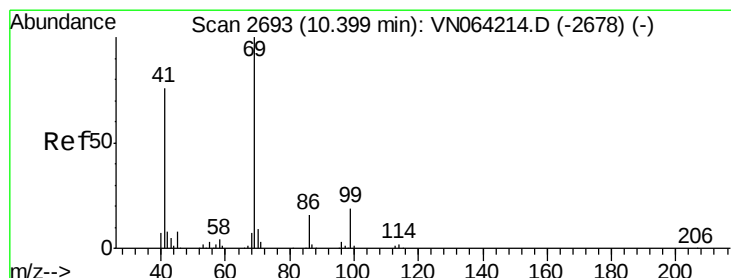
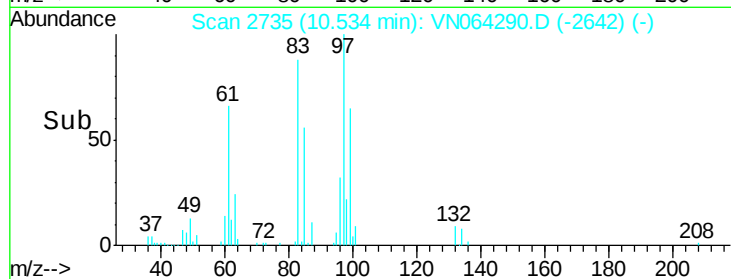
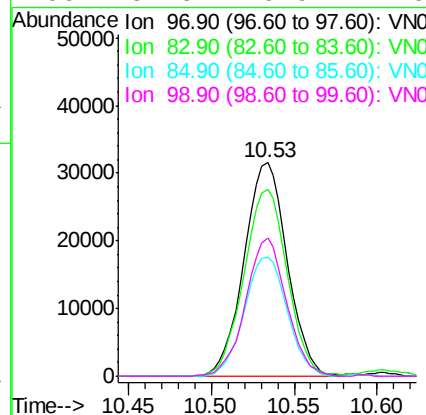
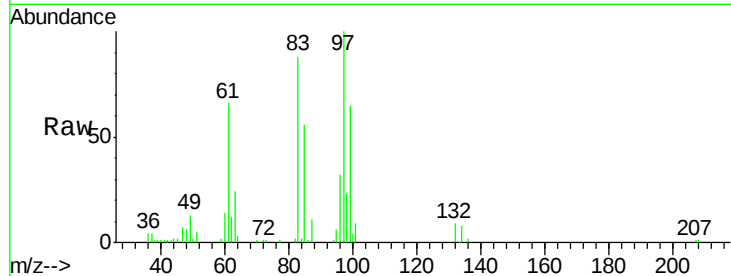
#55
 1,1,2-Trichloroethane
 Concen: 19.091 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		57395		
83	87.6	67.8	101.6		
85	56.0	43.6	65.4		
99	64.6	49.9	74.9		

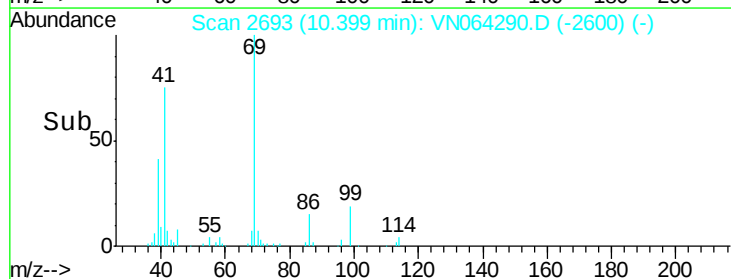
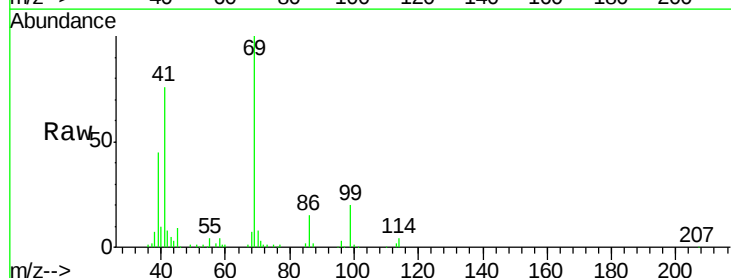
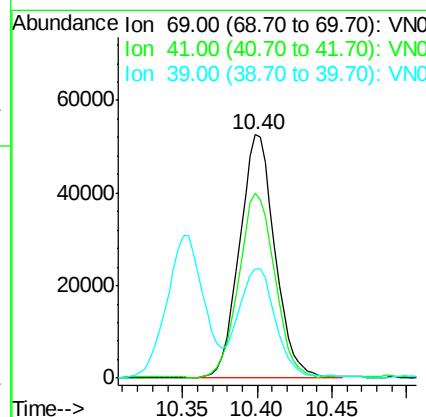
Manual Integrations
 APPROVED

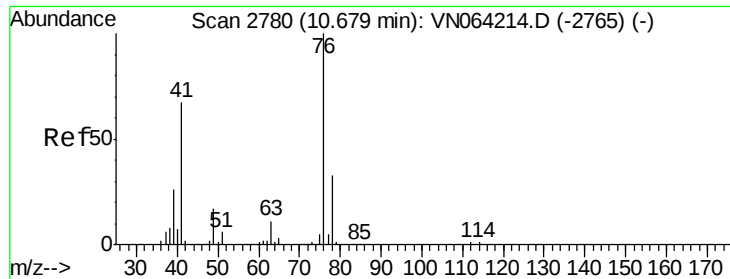
MMDadoda
 10/26/2020 1:39:00 PM



#56
 Ethyl methacrylate
 Concen: 18.692 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		86892		
41	77.4	61.4	92.2		
39	45.9	36.0	54.0		





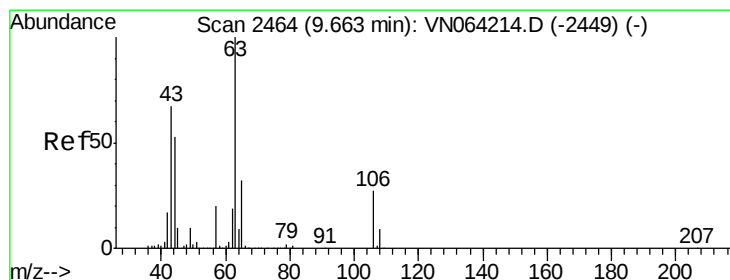
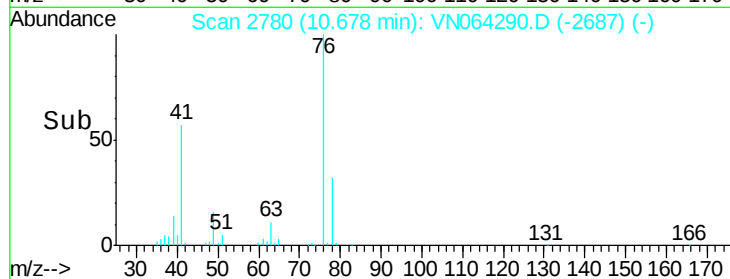
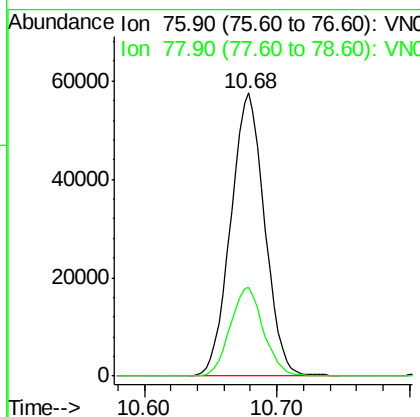
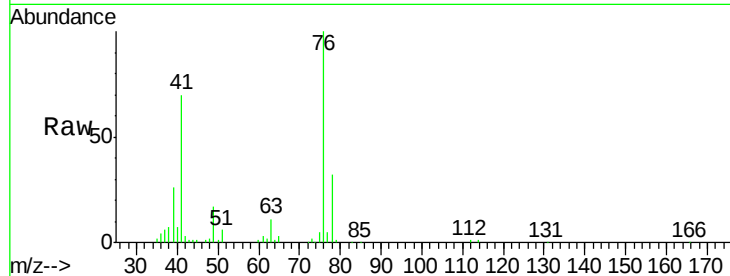
#57
 1,3-Dichloropropane
 Concen: 19.560 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.8	26.2	39.2

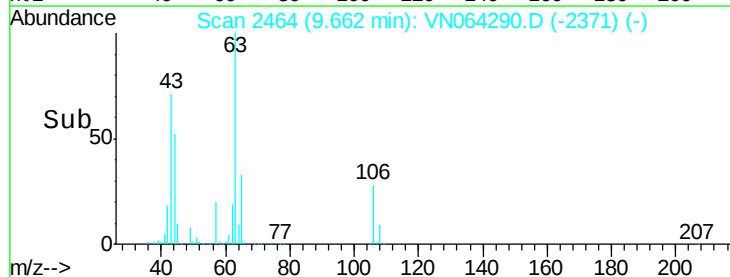
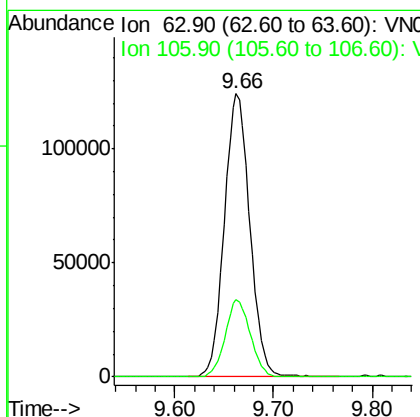
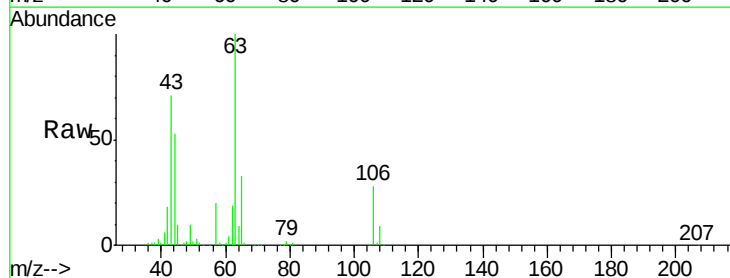
Manual Integrations
 APPROVED

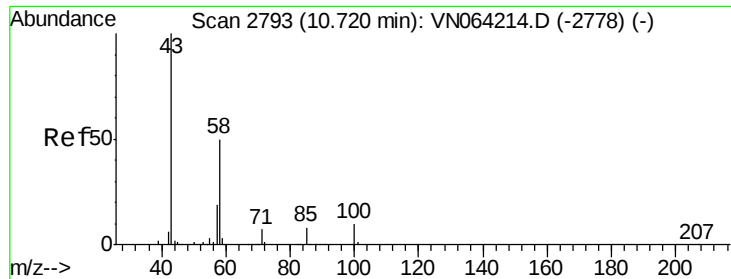
MMDadoda
 10/26/2020 1:39:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.023 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.3	31.9





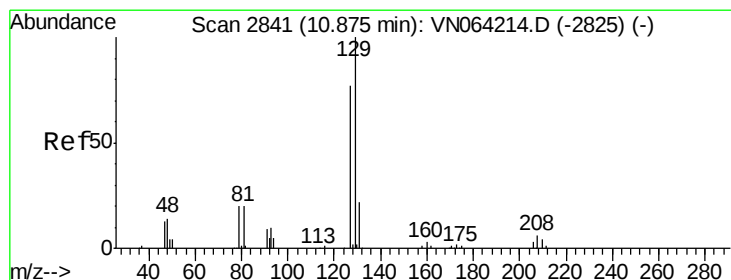
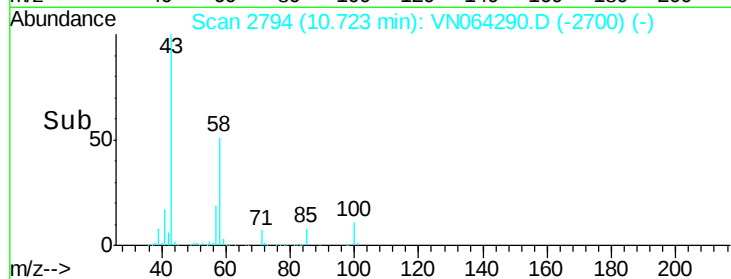
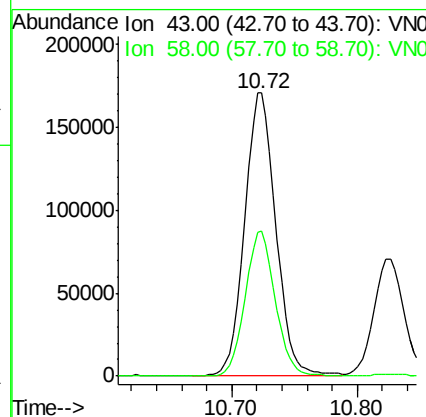
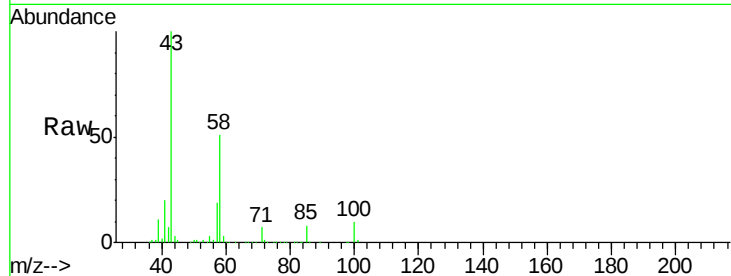
#59
2-Hexanone
Concen: 98.930 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.8	74.3

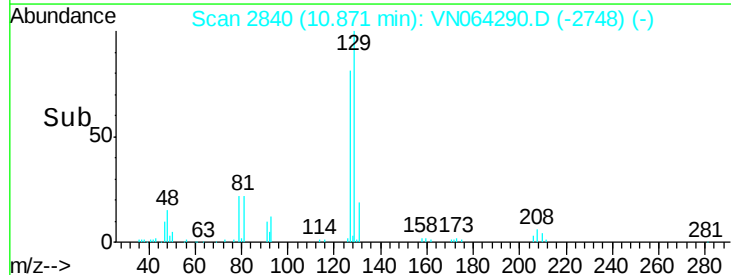
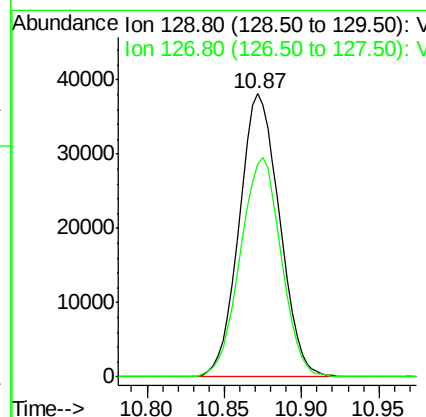
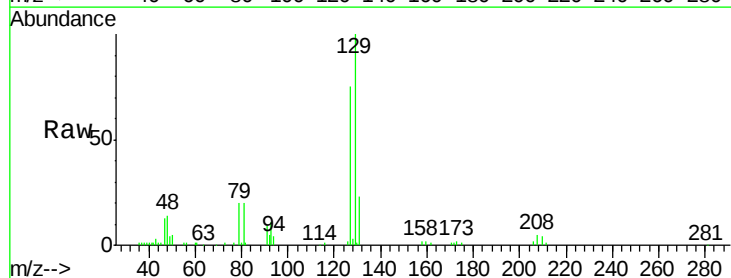
Manual Integrations
APPROVED

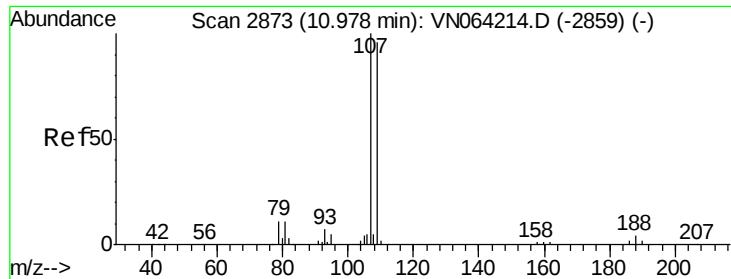
MMDadoda
10/26/2020 1:39:00 PM



#60
Dibromochloromethane
Concen: 17.741 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.8	116.3





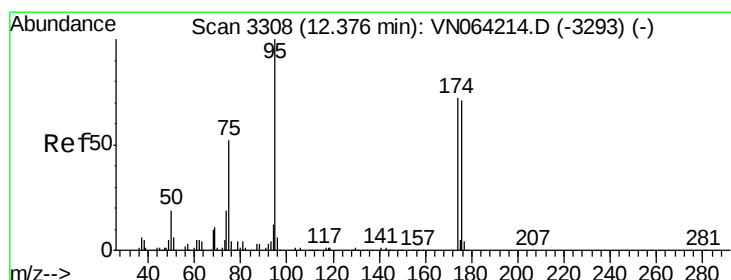
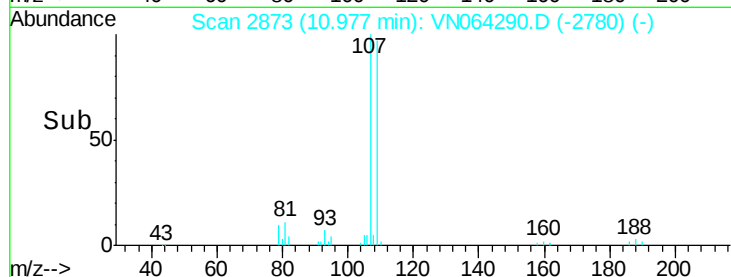
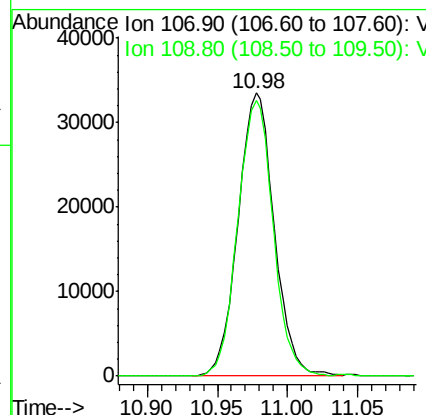
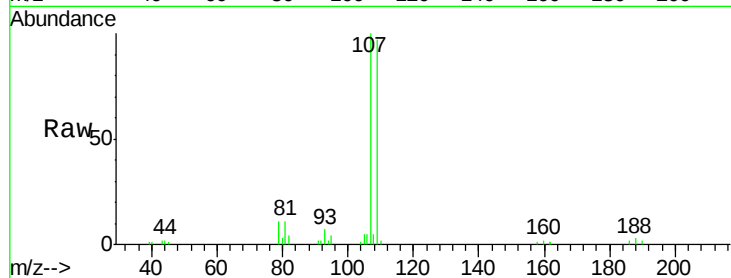
#61
 1,2-Dibromoethane
 Concen: 18.975 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		60200		
109	95.6	76.2	114.4		

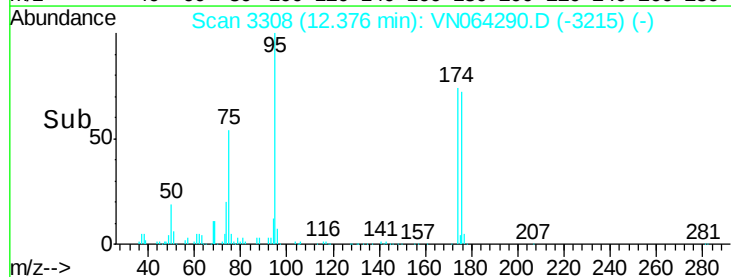
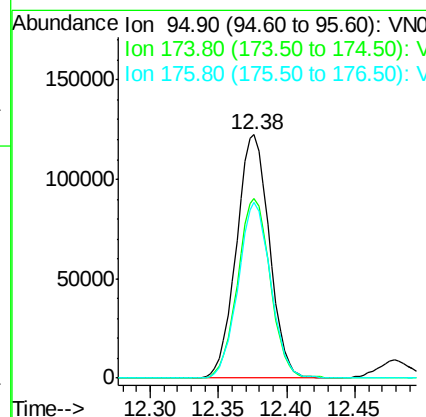
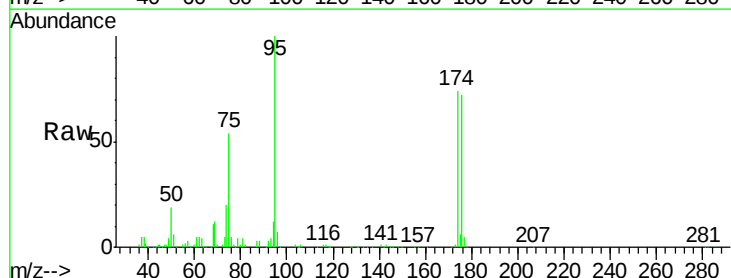
Manual Integrations
 APPROVED

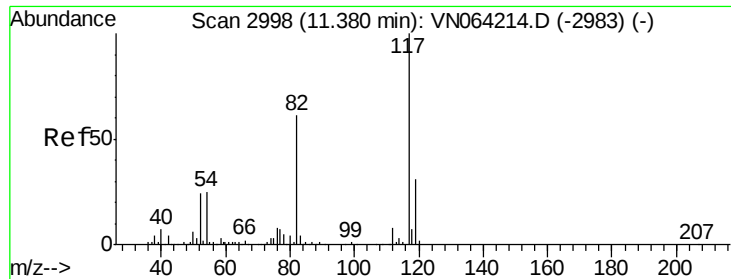
MMDadoda
 10/26/2020 1:39:00 PM



#62
 4-Bromofluorobenzene
 Concen: 46.591 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		205920		
174	73.0	0.0	144.4		
176	71.0	0.0	139.2		





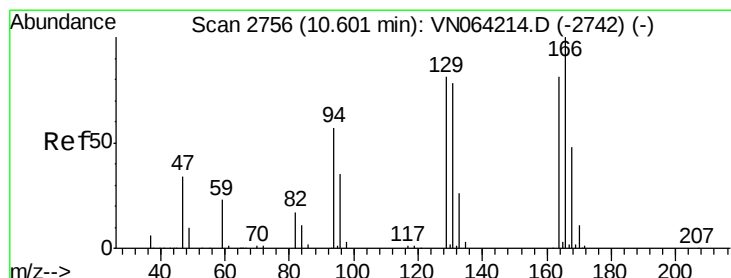
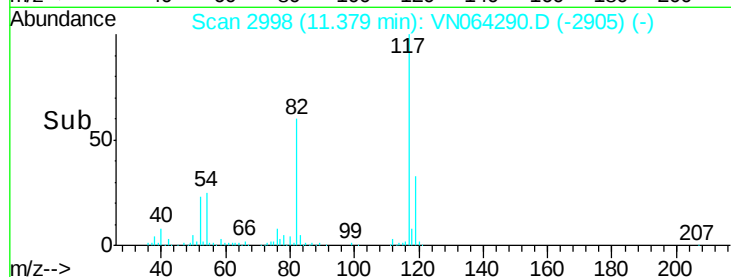
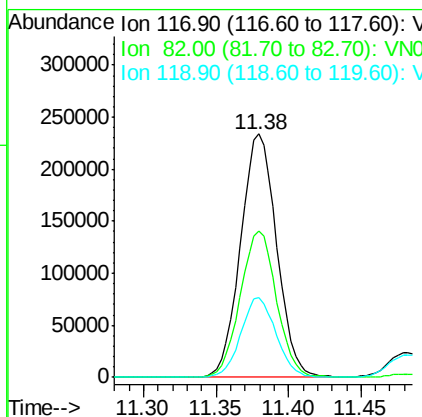
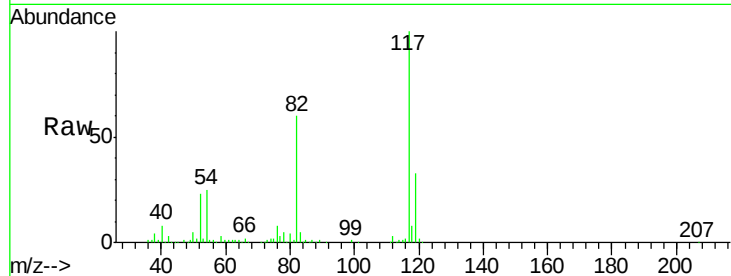
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.8	73.2
119	32.7	24.7	37.1

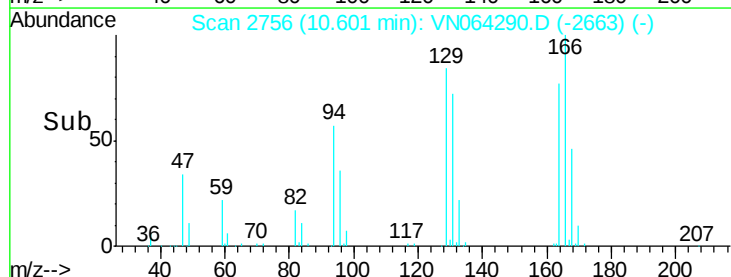
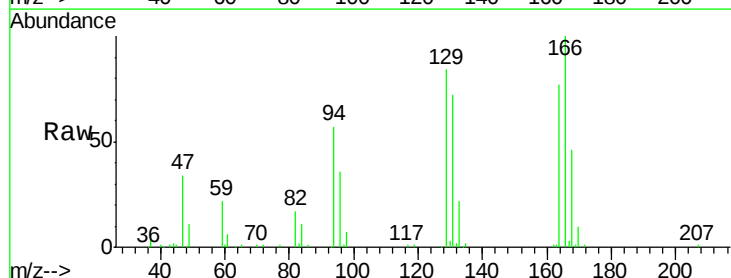
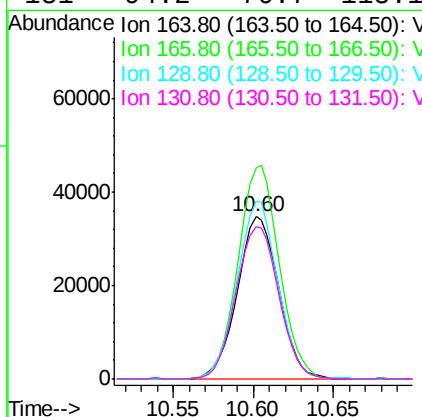
Manual Integrations
APPROVED

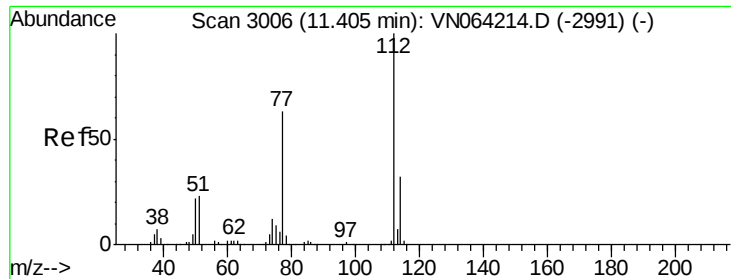
MMDadoda
10/26/2020 1:39:00 PM



#64
Tetrachloroethene
Concen: 18.915 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	98.9	148.3
129	110.0	79.9	119.9
131	94.2	76.7	115.1





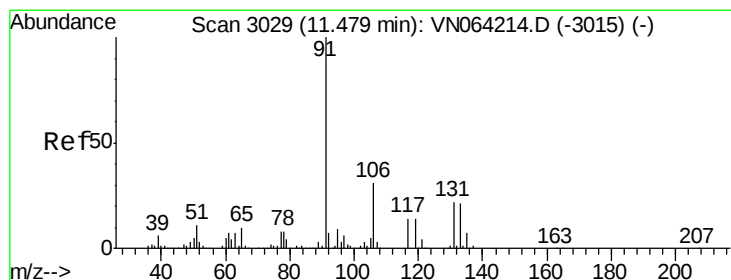
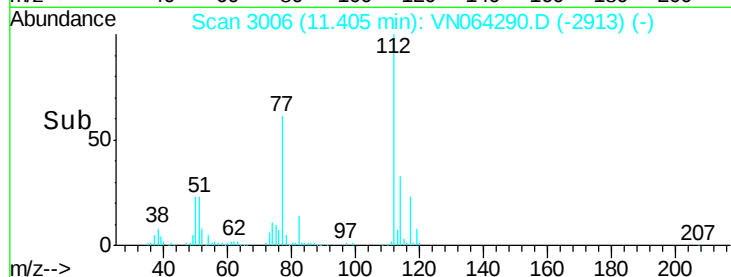
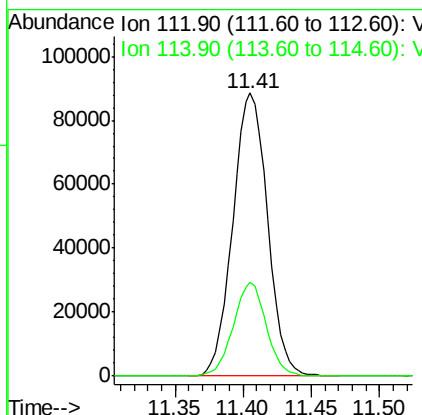
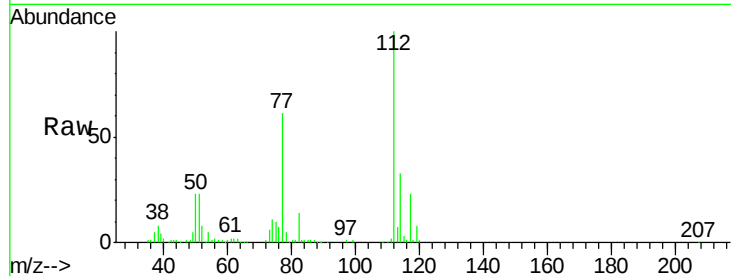
#65
Chlorobenzene
Concen: 18.687 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion:112 Resp: 156446
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5

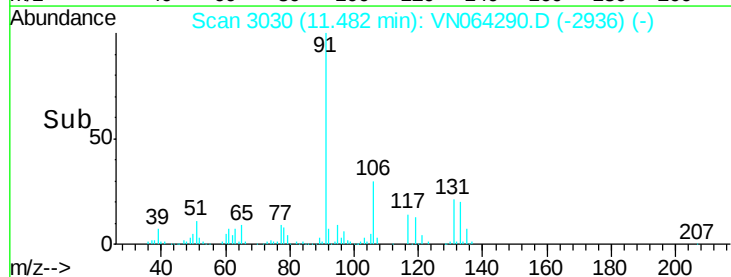
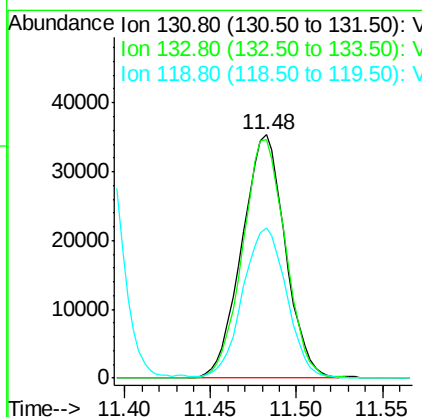
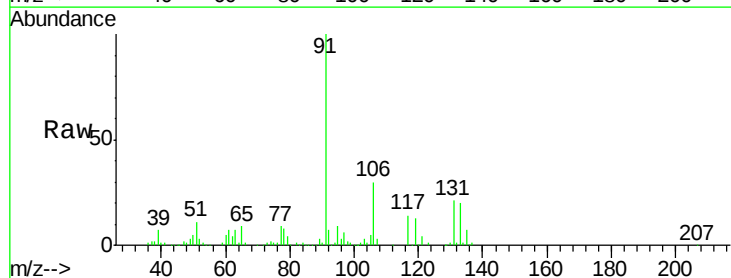
Manual Integrations
APPROVED

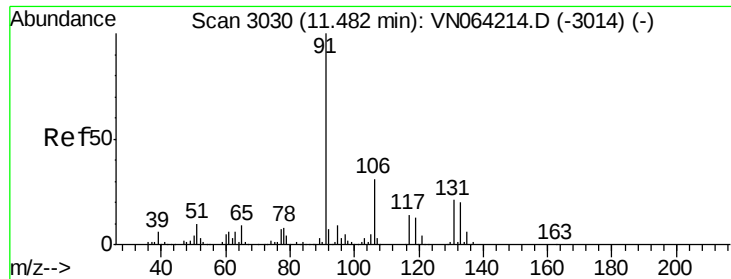
MMDadoda
10/26/2020 1:39:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.589 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion:131 Resp: 61771
Ion Ratio Lower Upper
131 100
133 96.9 47.8 143.4
119 62.6 32.2 96.6





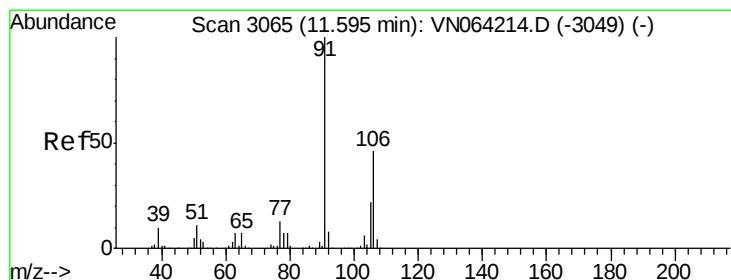
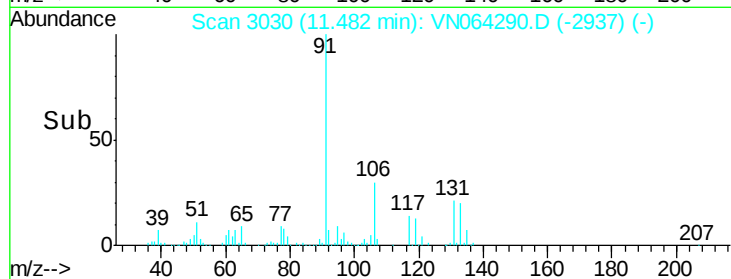
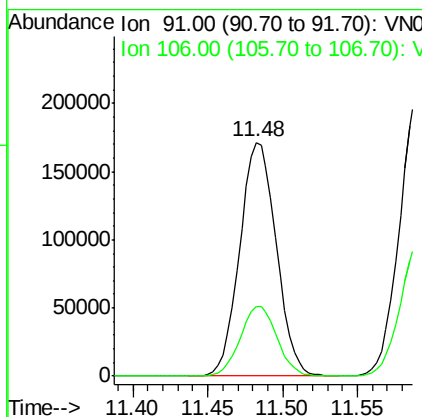
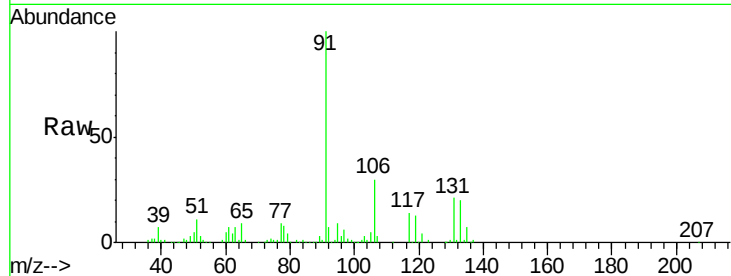
#67
Ethyl Benzene
Concen: 18.955 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion: 91 Resp: 291622
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2

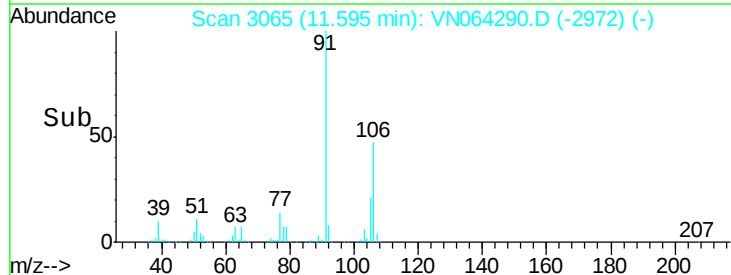
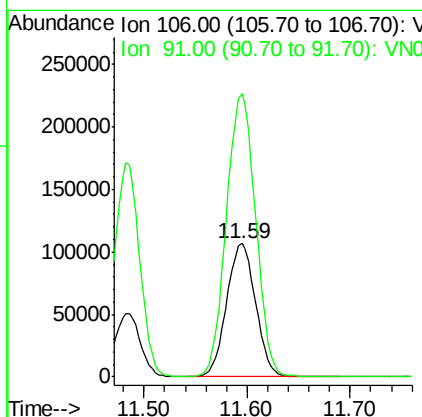
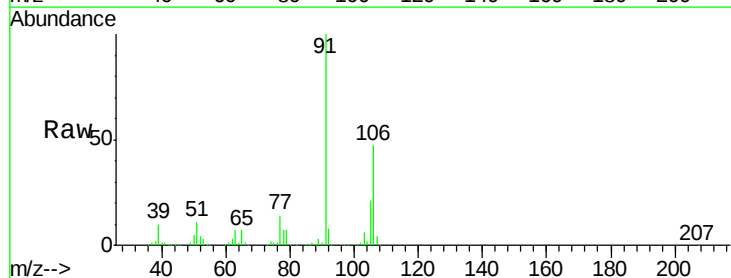
Manual Integrations
APPROVED

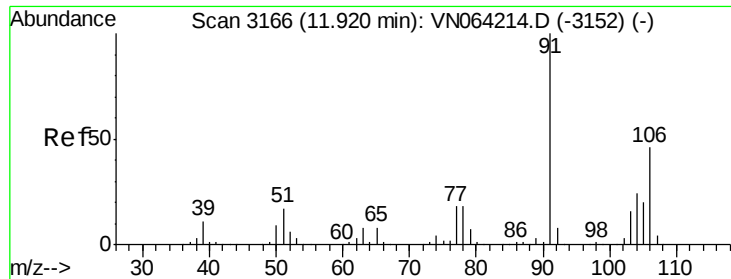
MMDadoda
10/26/2020 1:39:00 PM



#68
m/p-Xylenes
Concen: 36.710 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 106 Resp: 209257
Ion Ratio Lower Upper
106 100
91 214.2 172.2 258.2





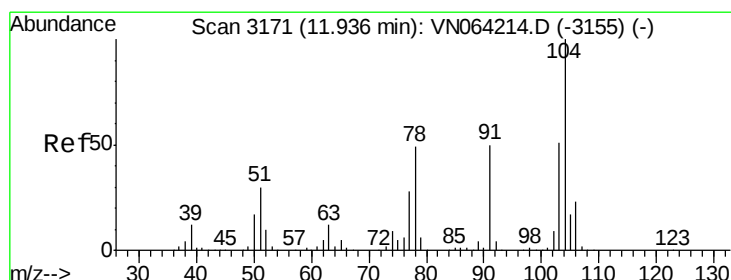
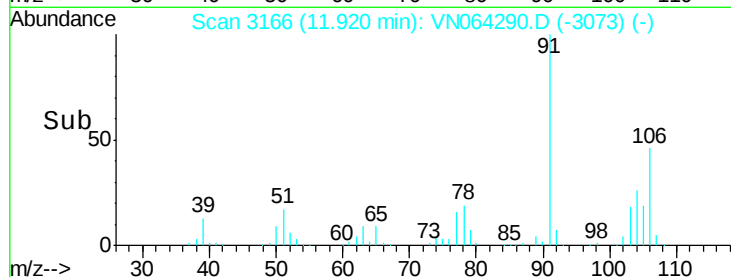
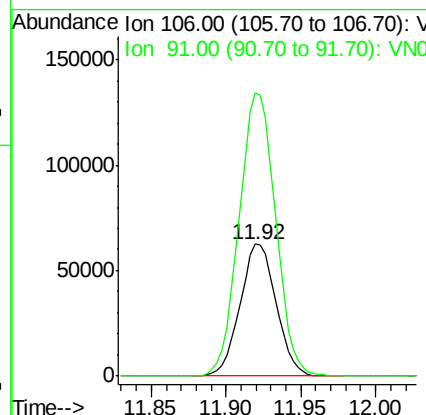
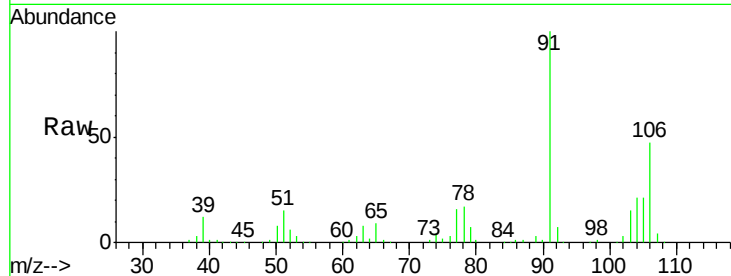
#69
o-Xylene
Concen: 19.124 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampled :
VN1023MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.7	109.9	329.6		

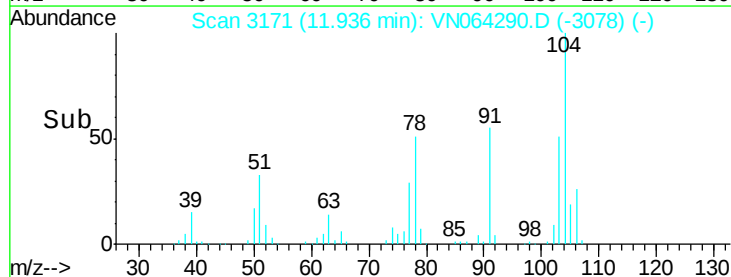
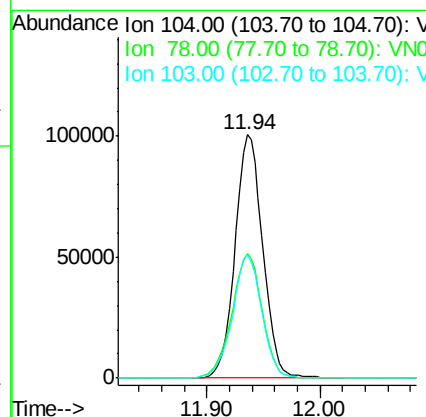
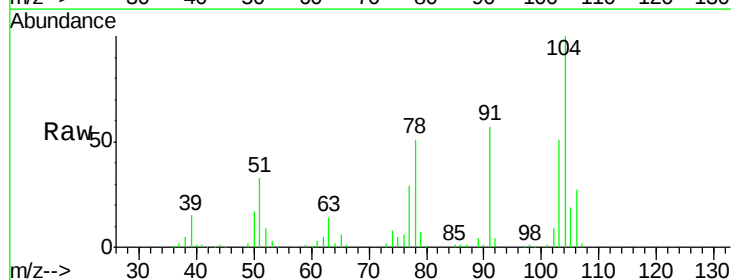
Manual Integrations
APPROVED

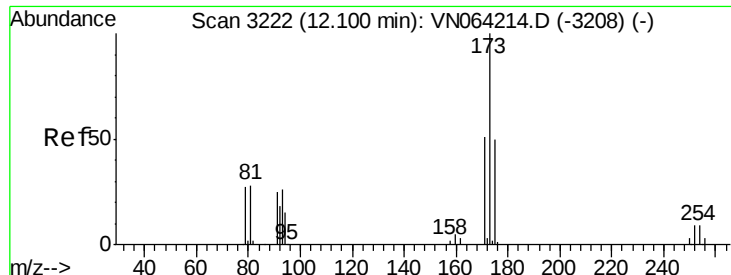
MMDadoda
10/26/2020 1:39:00 PM



#70
Styrene
Concen: 18.526 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	55.9	43.8	65.6		
103	53.8	43.4	65.2		





#71

Bromoform

Concen: 18.892 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion:173 Resp: 48496

Ion Ratio Lower Upper

173 100

175 47.2 25.1 75.3

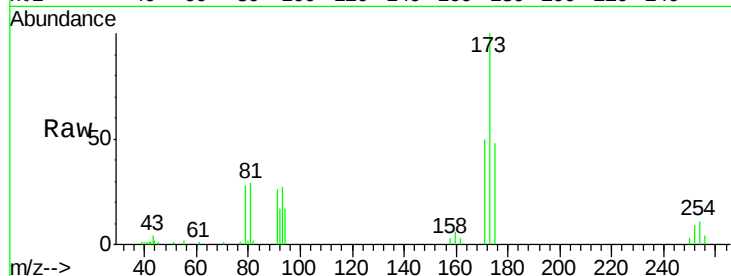
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

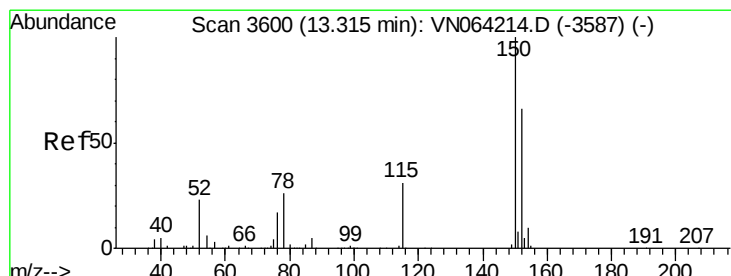
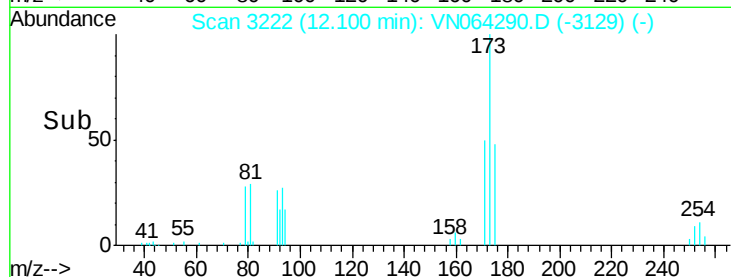
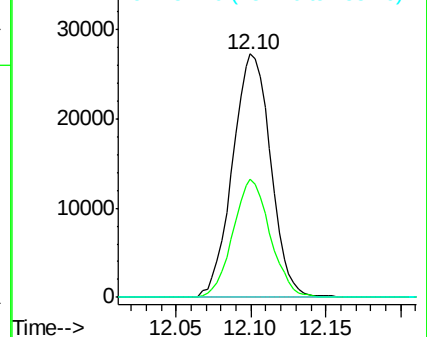
10/26/2020 1:39:00 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

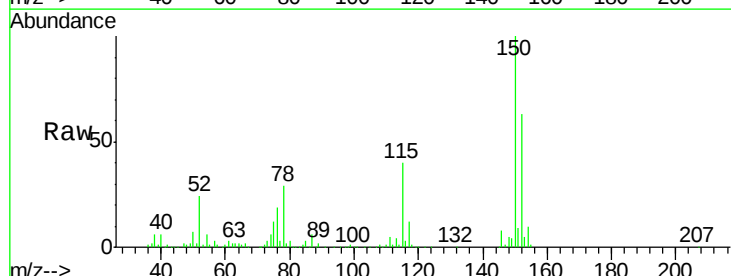
Tgt Ion:152 Resp: 193968

Ion Ratio Lower Upper

152 100

115 63.4 32.0 96.2

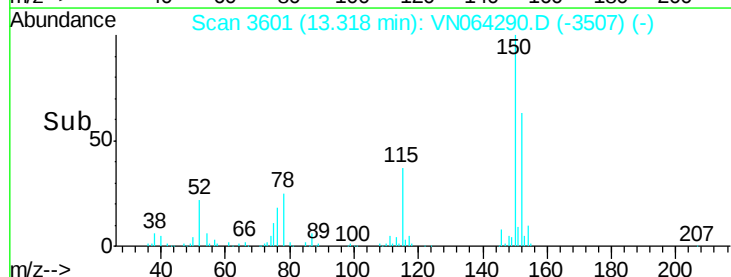
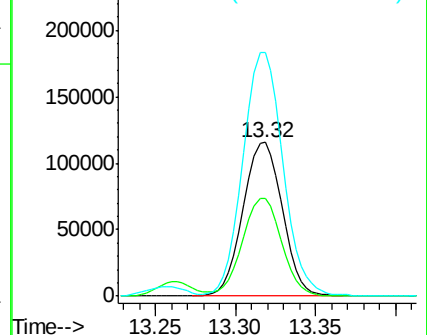
150 162.0 0.0 356.6

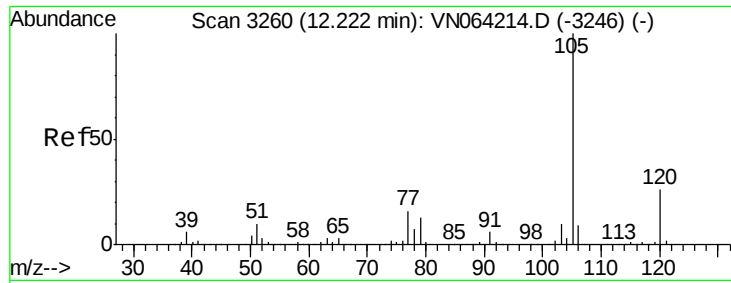


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.410 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 105 Resp: 272350

Ion Ratio Lower Upper

105 100

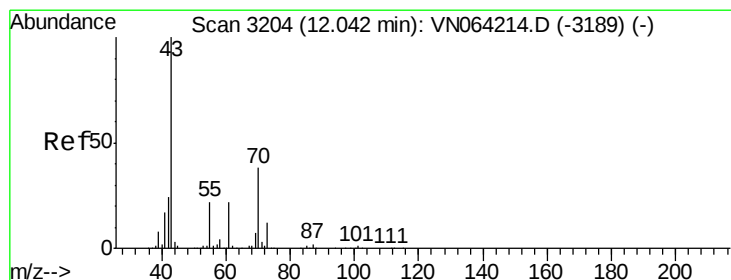
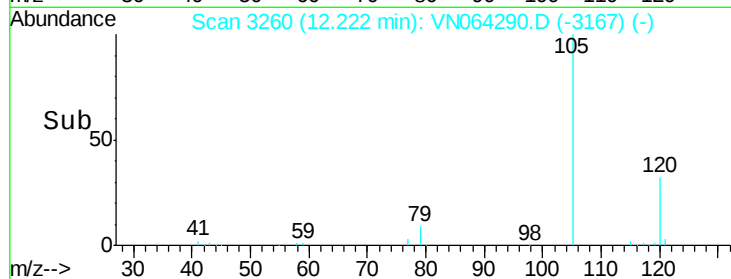
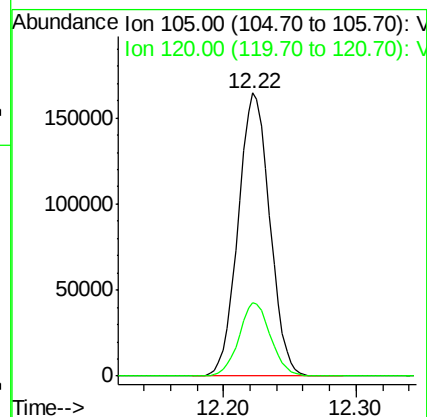
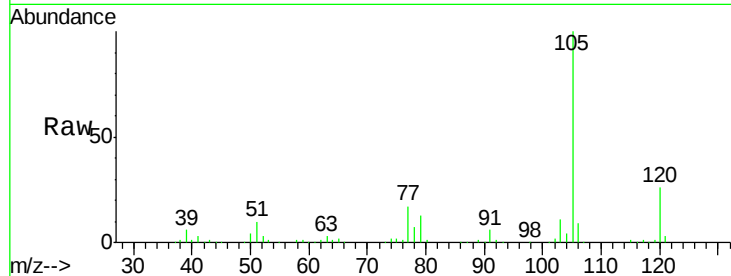
120 25.7 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:00 PM



#74

N-ethyl acetate

Concen: 18.318 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion: 43 Resp: 117099

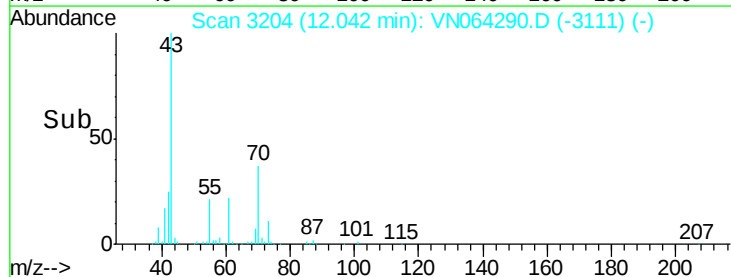
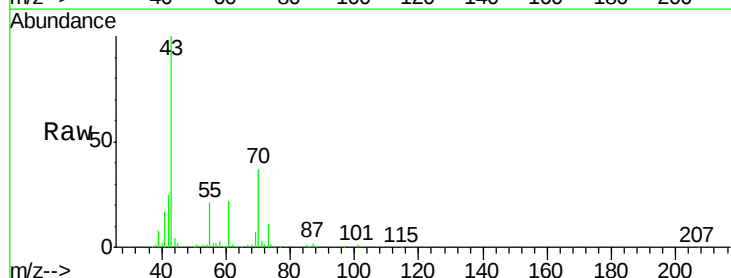
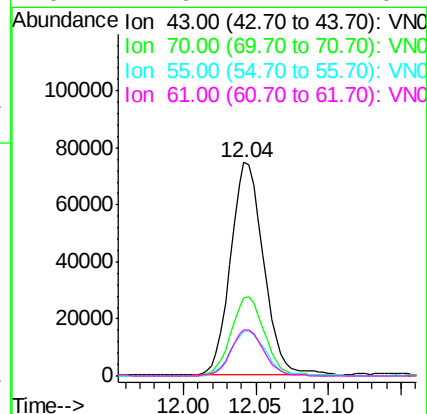
Ion Ratio Lower Upper

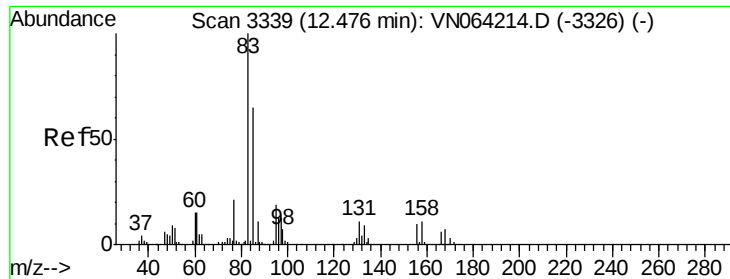
43 100

70 38.3 30.2 45.4

55 22.5 18.0 27.0

61 21.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.946 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

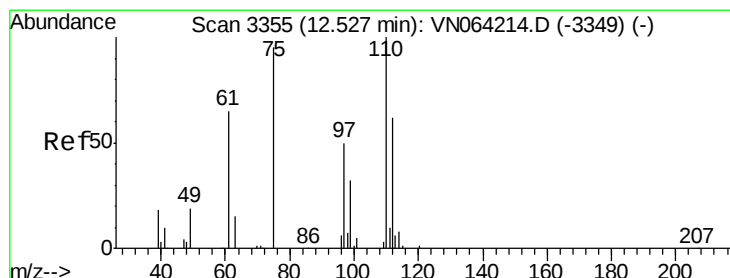
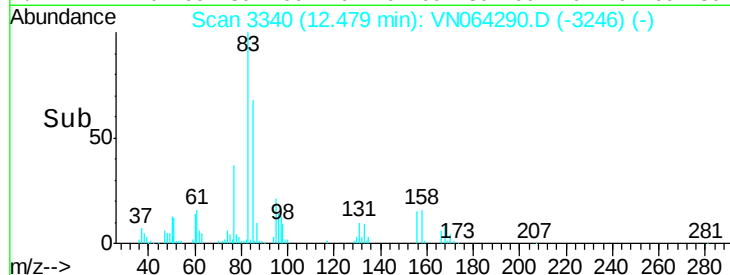
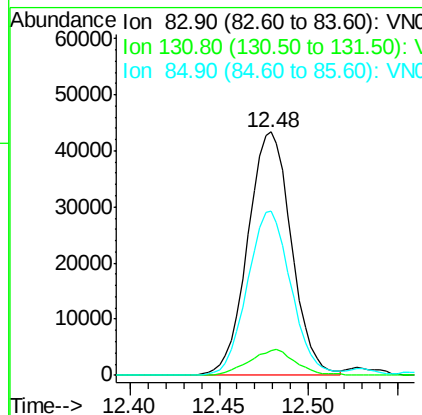
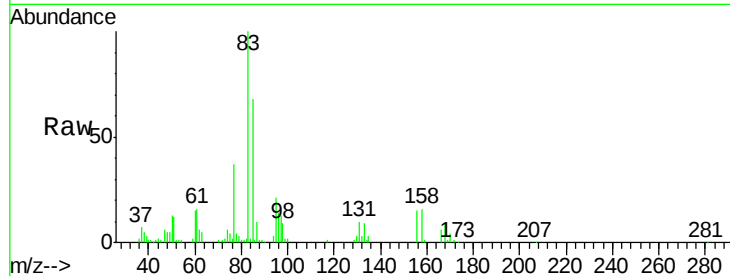
ClientSampleId :

VN1023MBS01

Tot Ion:	83	Resp:	74379
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.7
85	67.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM



#76

1,2,3-Trichloropropane

Concen: 18.610 ug/l m

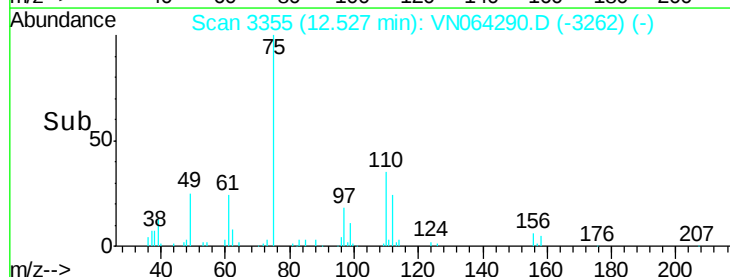
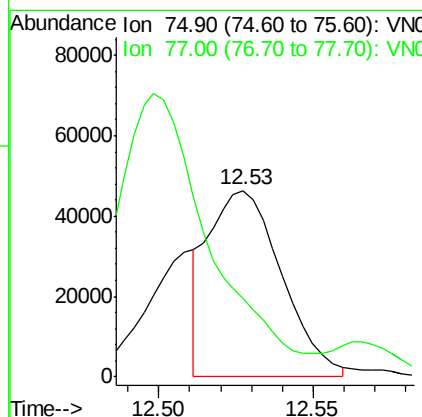
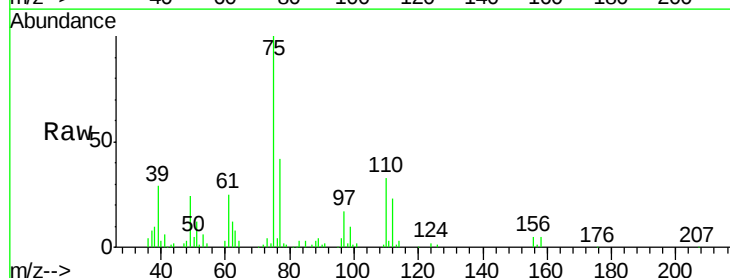
RT: 12.53 min Scan# 3355

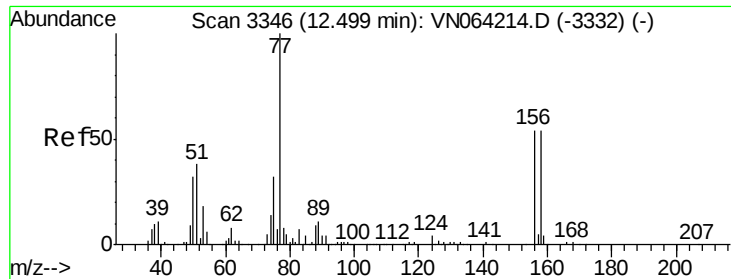
Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	75	Resp:	76100
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





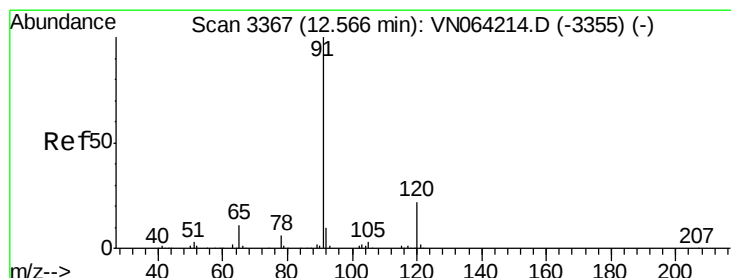
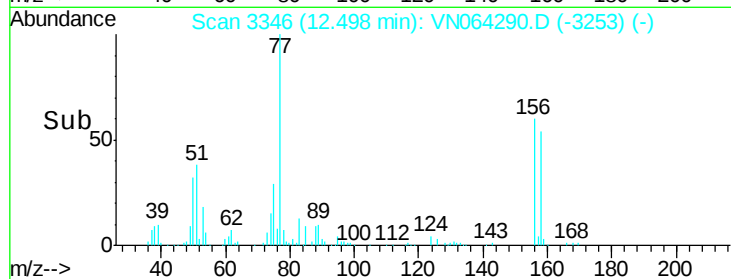
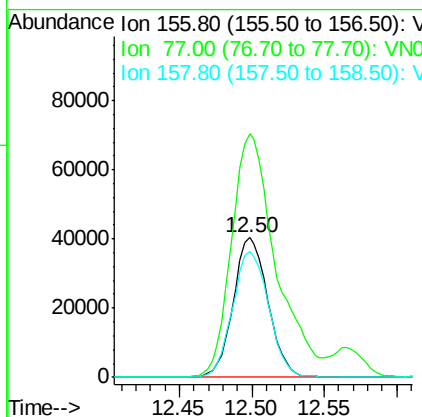
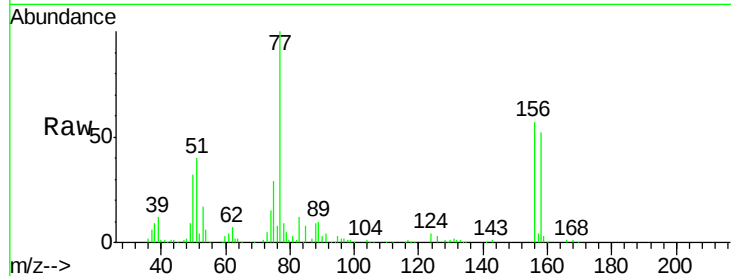
#77
Bromobenzene
Concen: 19.272 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.9	111.1	333.4
158	94.0	50.0	150.1

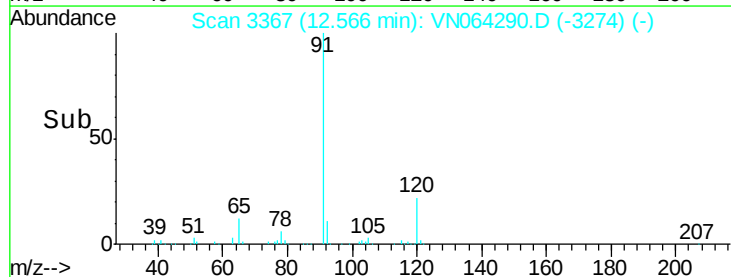
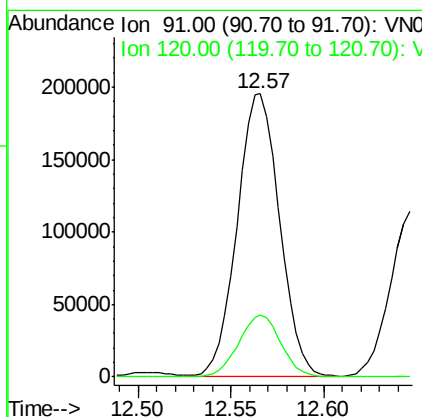
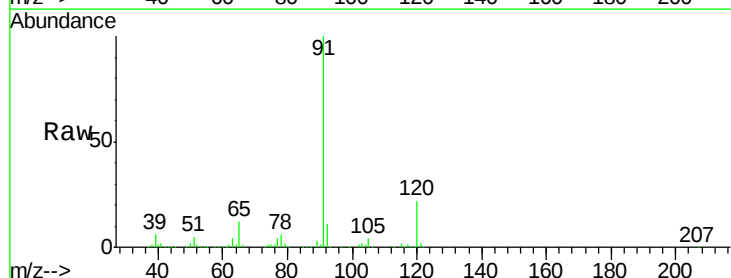
Manual Integrations
APPROVED

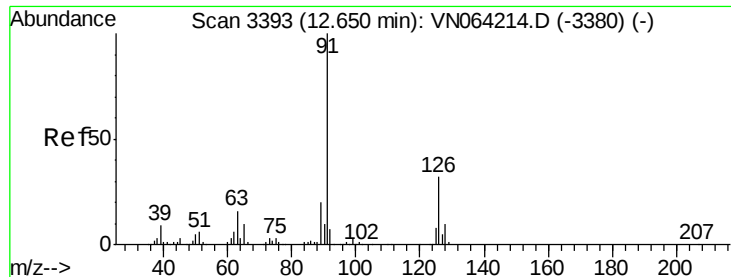
MMDadoda
10/26/2020 1:39:00 PM



#78
n-propylbenzene
Concen: 18.454 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 18.542 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 91 Resp: 189972

Ion Ratio Lower Upper

91 100

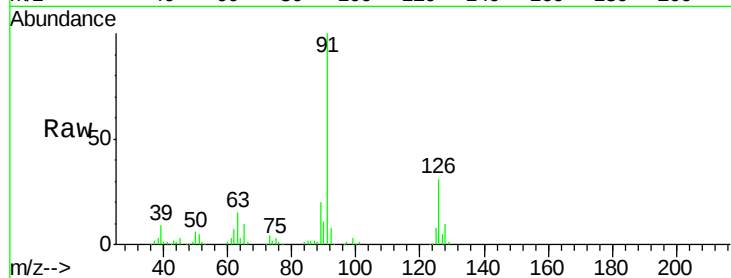
126 31.8 16.0 48.0

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064290.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064290.D (-3392) (-)

150000

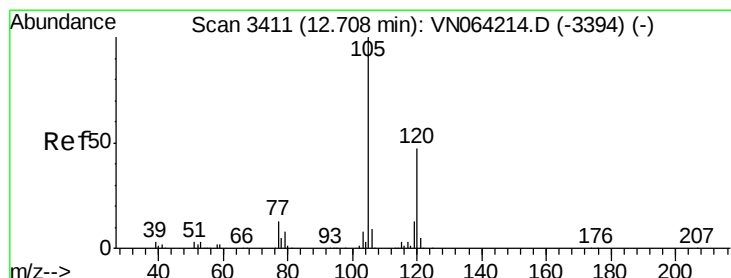
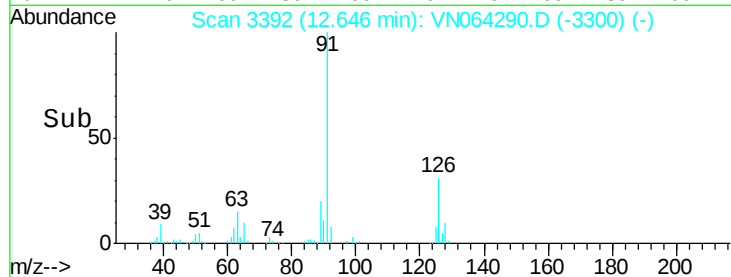
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.695 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064290.D

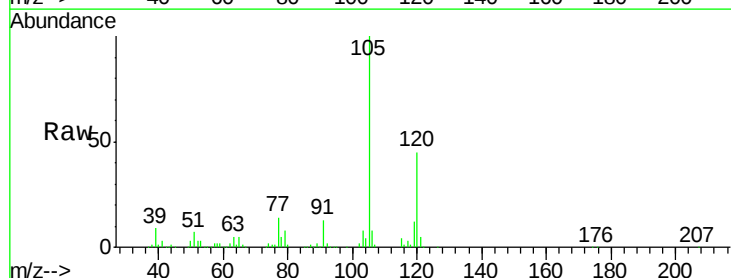
Acq: 23 Oct 2020 16:55

Tgt Ion: 105 Resp: 233811

Ion Ratio Lower Upper

105 100

120 45.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064290.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064290.D (-3318) (-)

150000

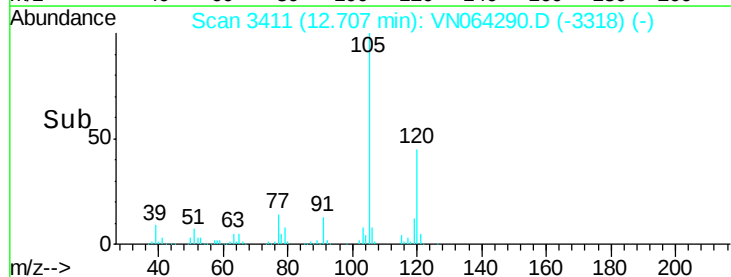
100000

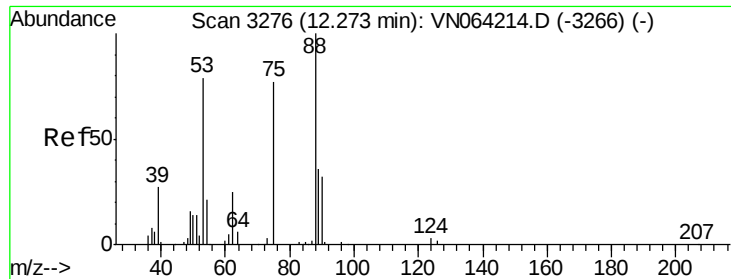
50000

0

12.70 12.71 12.72

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.546 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

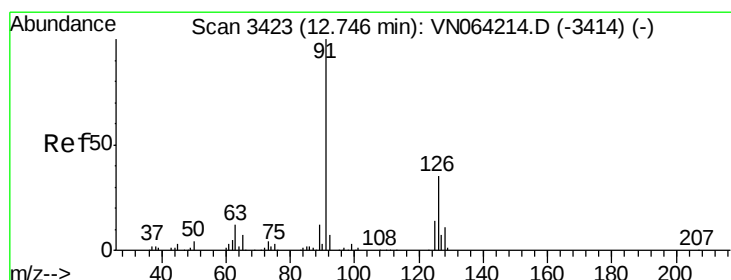
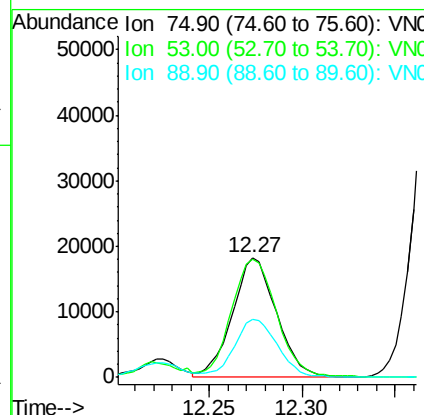
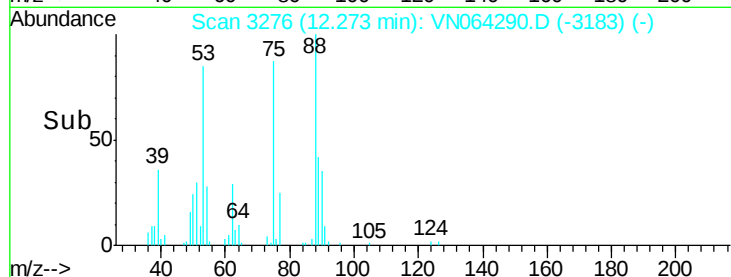
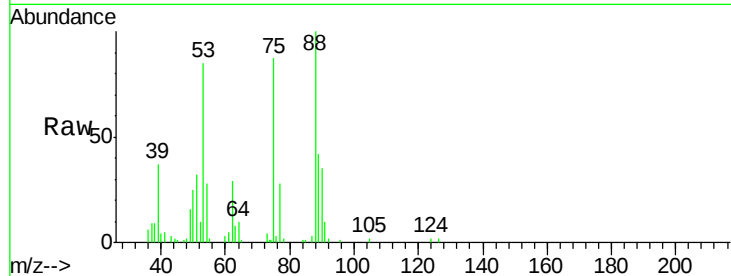
ClientSampleId :

VN1023MBS01

Tot Ion:	75	Resp:	30038
Ion	Ratio	Lower	Upper
75	100		
53	102.2	81.0	121.4
89	47.6	38.7	58.1

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM



#82

4-Chlorotoluene

Concen: 18.935 ug/l

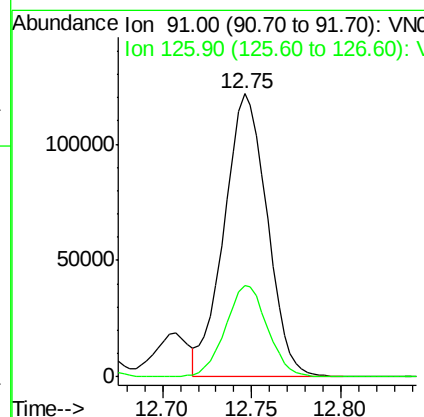
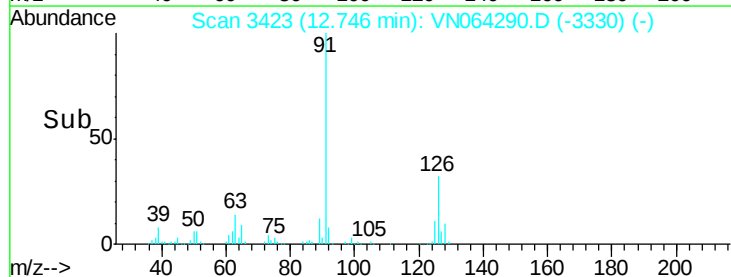
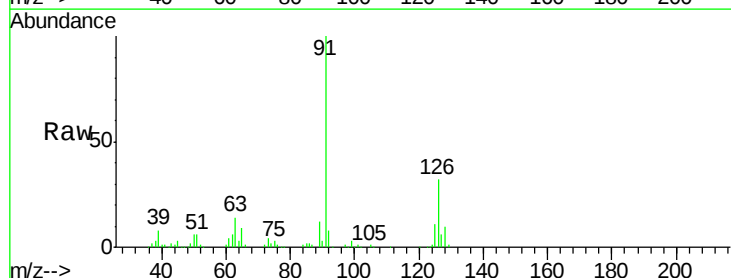
RT: 12.75 min Scan# 3423

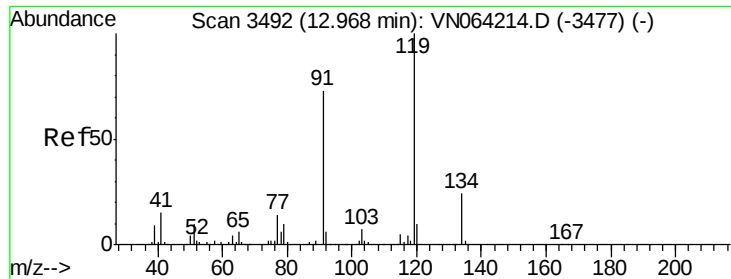
Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:	91	Resp:	202360
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.3





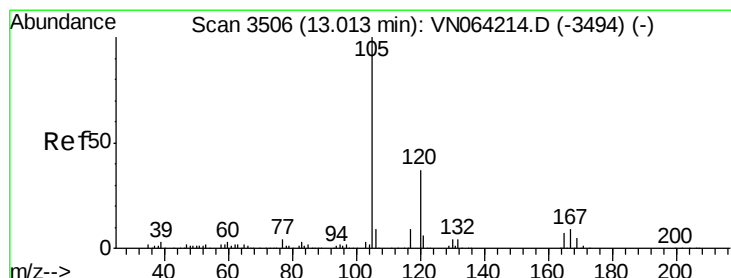
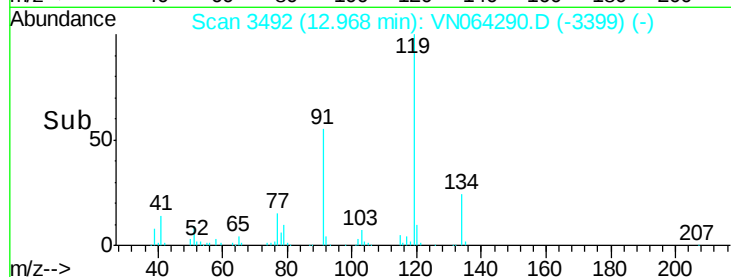
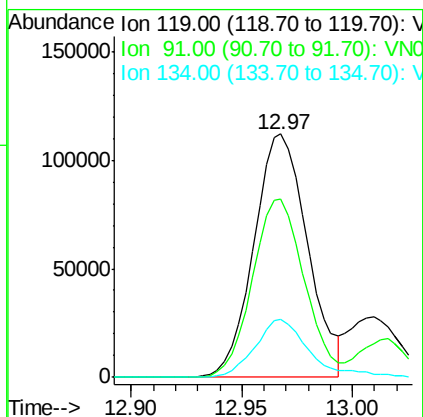
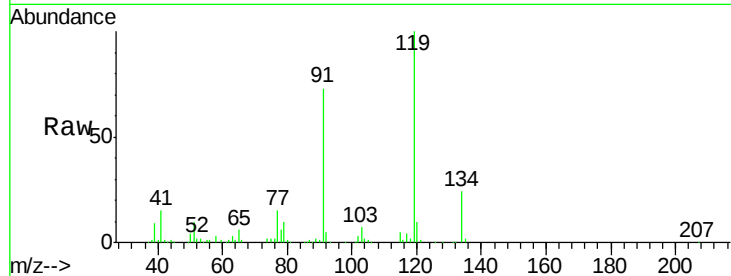
#83
tert-Butylbenzene
Concen: 18.453 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	35.1	105.3
134	24.1	11.6	34.8

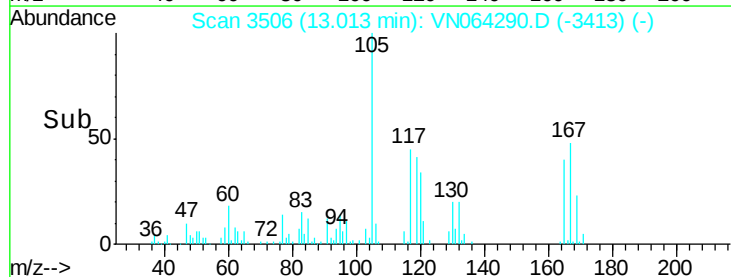
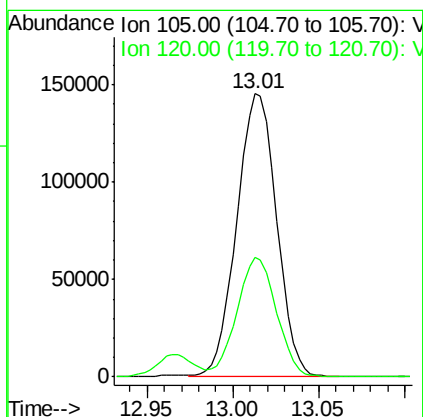
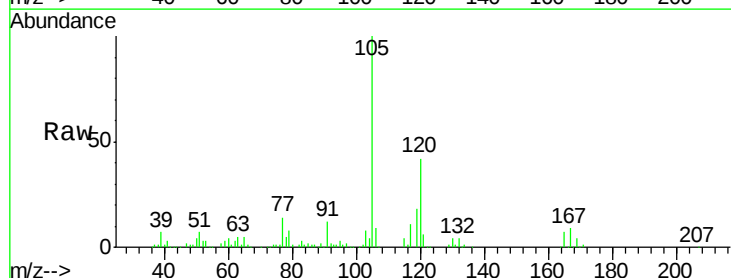
Manual Integrations
APPROVED

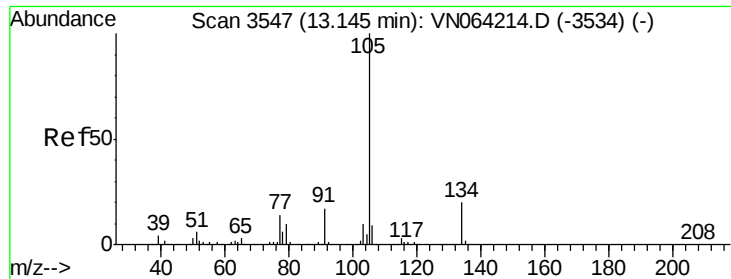
MMDadoda
10/26/2020 1:39:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.665 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.5	64.5





#85

sec-Butylbenzene

Concen: 18.507 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion:105 Resp: 239242

Ion Ratio Lower Upper

105 100

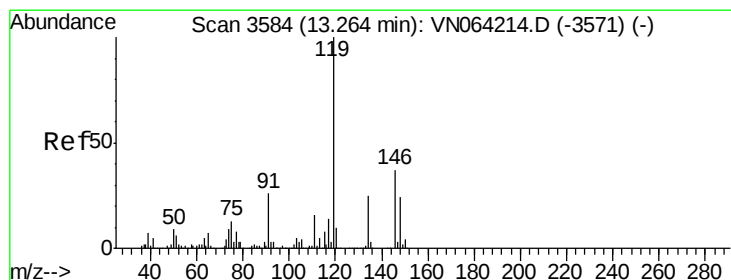
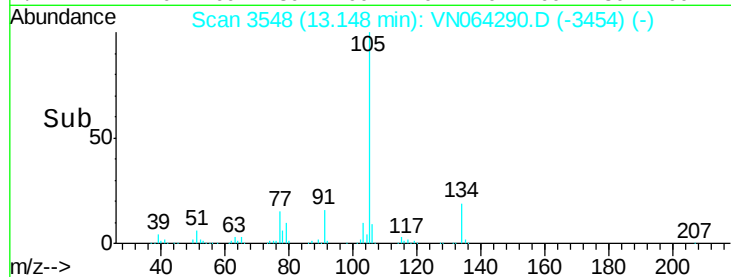
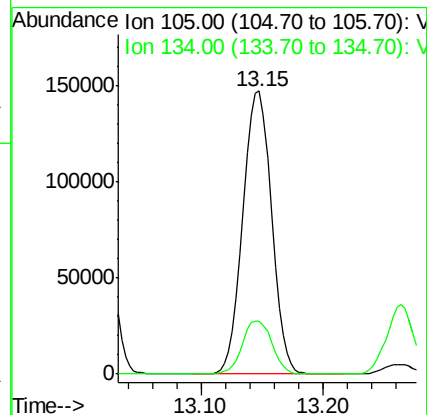
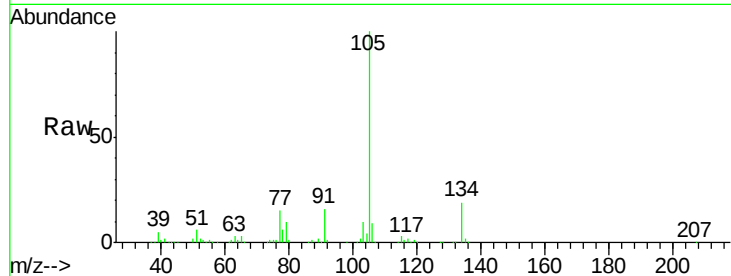
134 19.4 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:39:00 PM



#86

p-Isopropyltoluene

Concen: 18.834 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

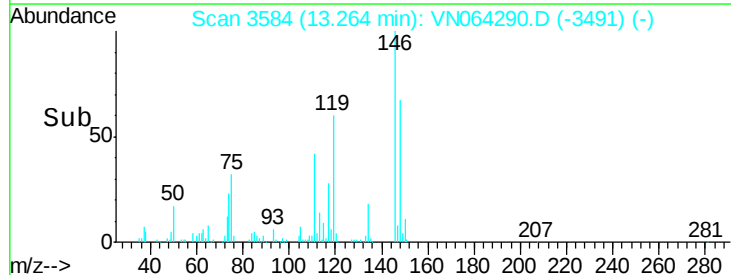
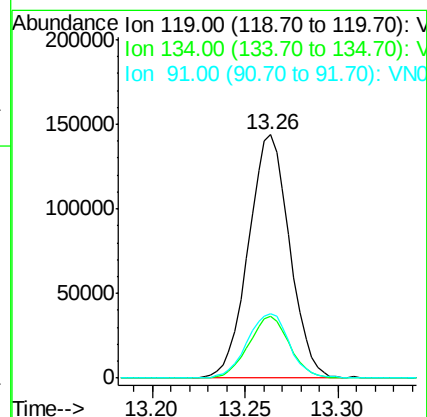
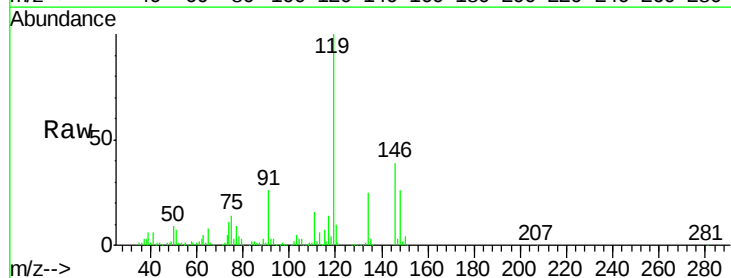
Tgt Ion:119 Resp: 221708

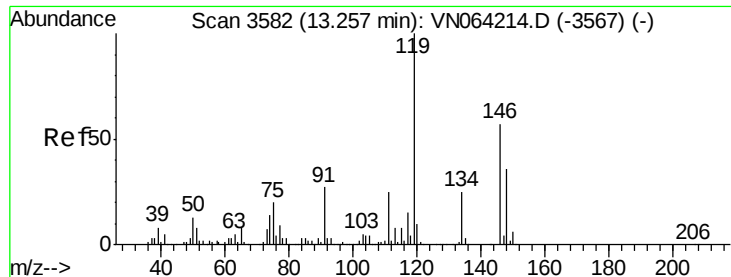
Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.3

91 27.5 13.4 40.2





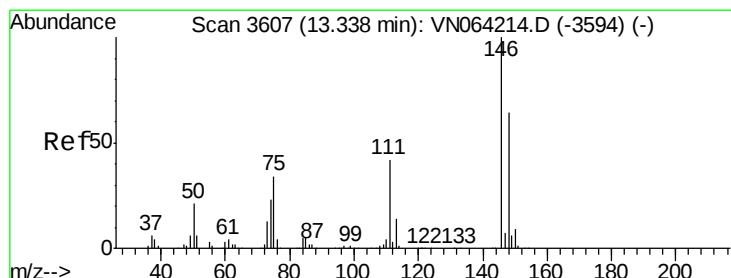
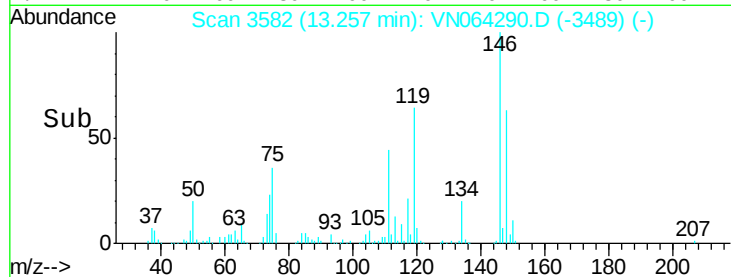
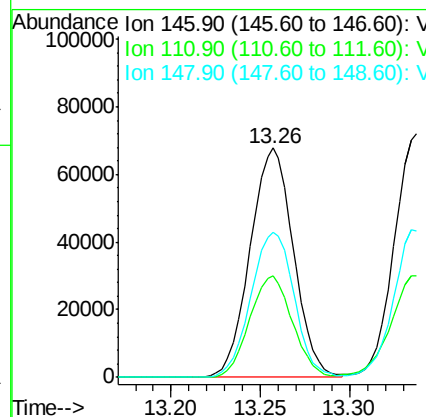
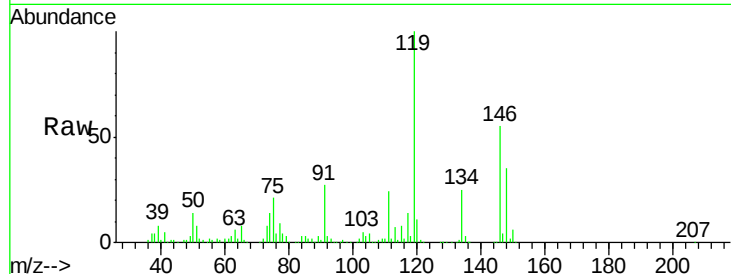
#87
 1,3-Dichlorobenzene
 Concen: 18.532 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	115166		
111	43.7	21.6	65.0	
148	63.3	31.7	95.1	

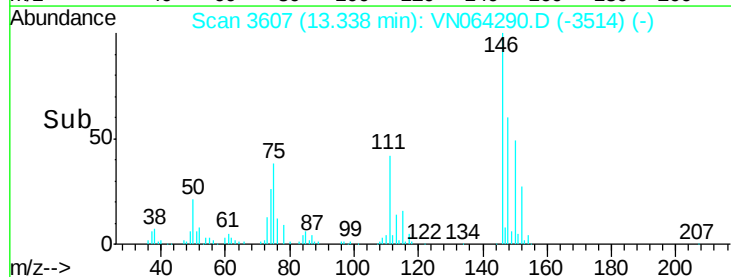
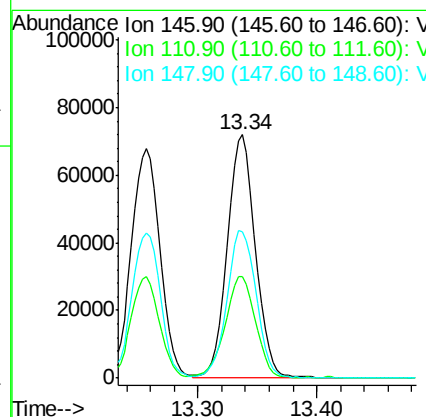
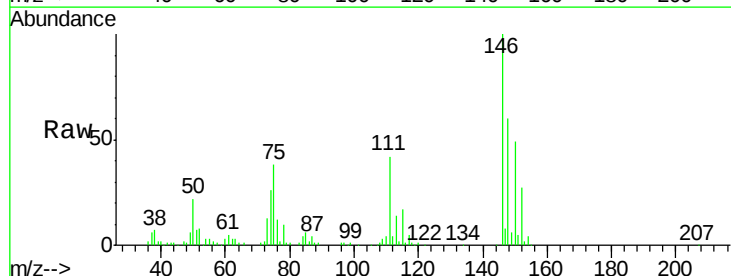
Manual Integrations
 APPROVED

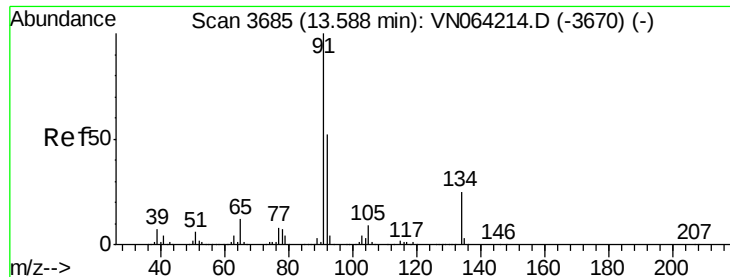
MMDadoda
 10/26/2020 1:39:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.527 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	117847		
111	44.7	21.5	64.5	
148	62.4	32.0	96.0	





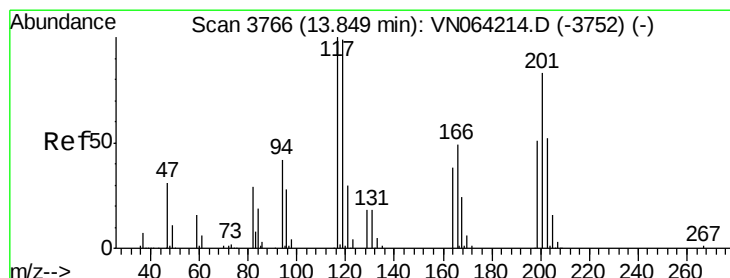
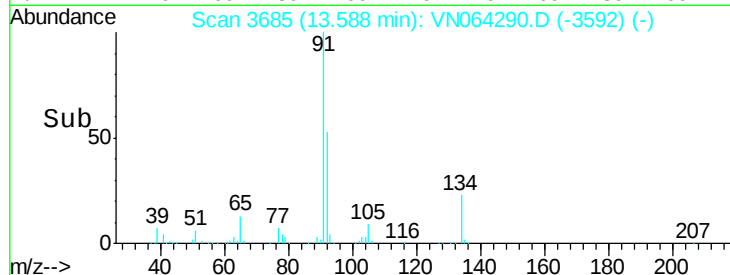
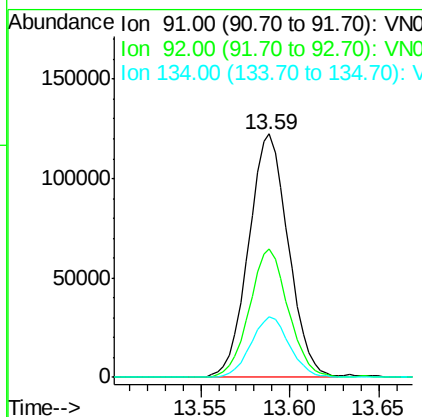
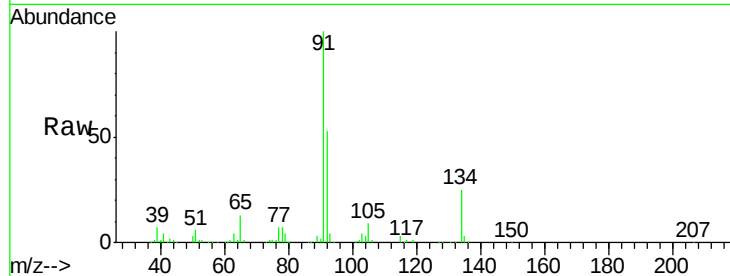
#89
n-Butylbenzene
Concen: 18.047 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.7	77.0
134	24.4	12.3	36.8

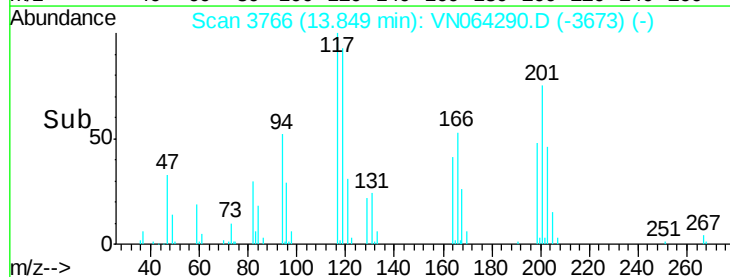
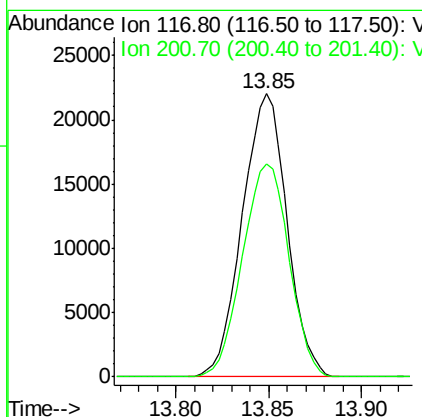
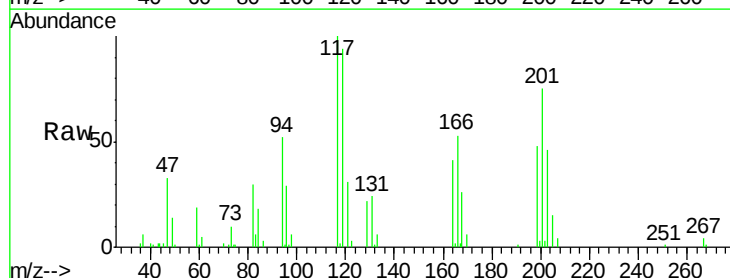
Manual Integrations
APPROVED

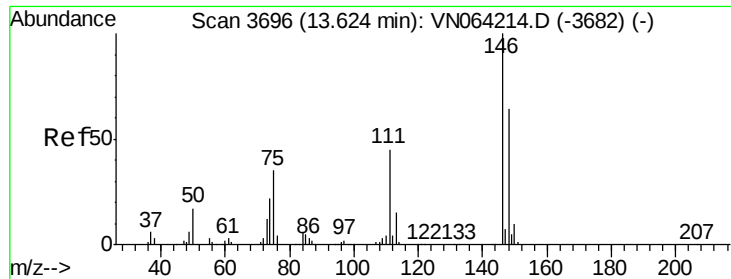
MMDadoda
10/26/2020 1:39:00 PM



#90
Hexachloroethane
Concen: 17.332 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	40.1	120.3





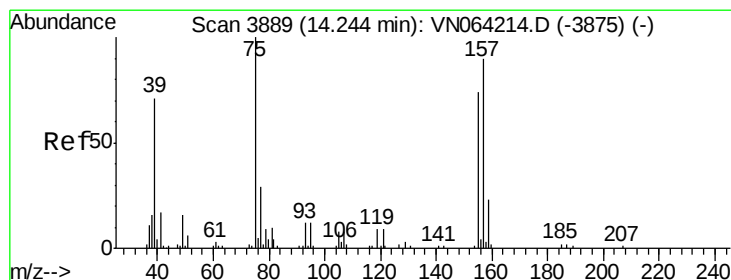
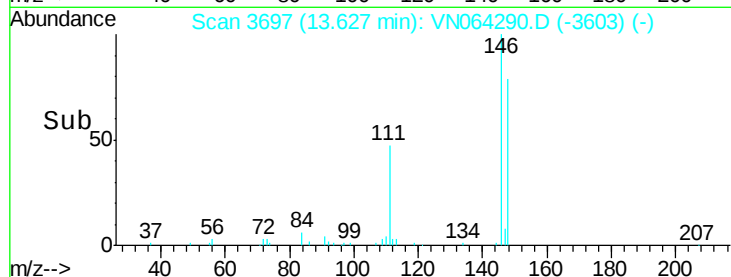
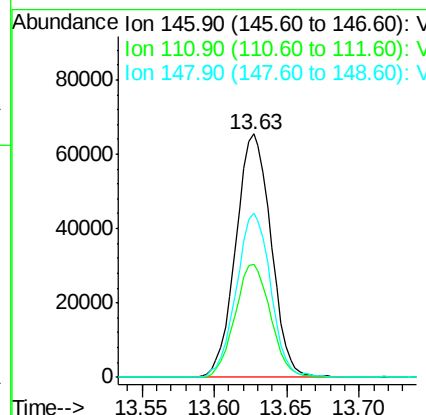
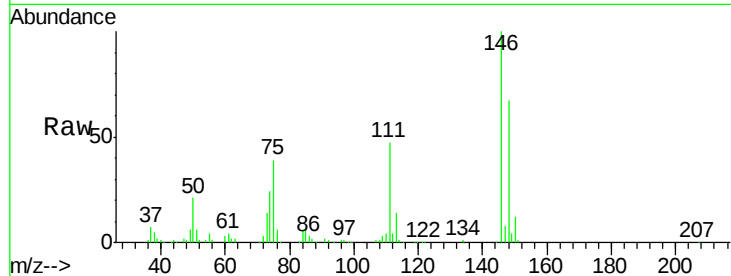
#91
 1,2-Dichlorobenzene
 Concen: 18.165 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110741		
111	46.5	22.9	68.7	
148	65.9	31.9	95.5	

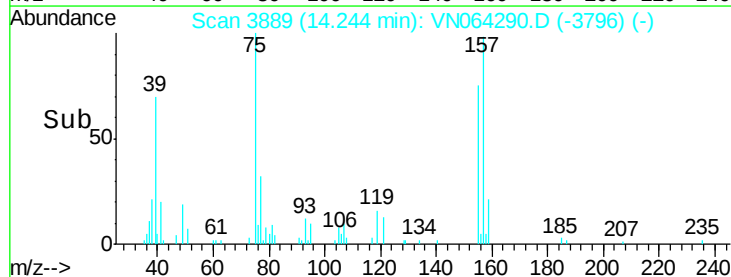
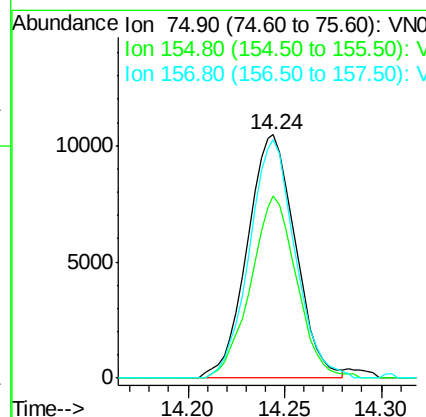
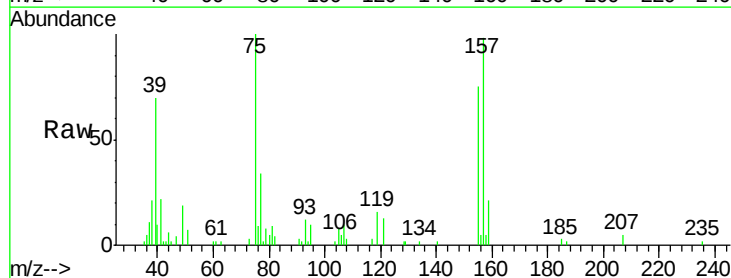
Manual Integrations
 APPROVED

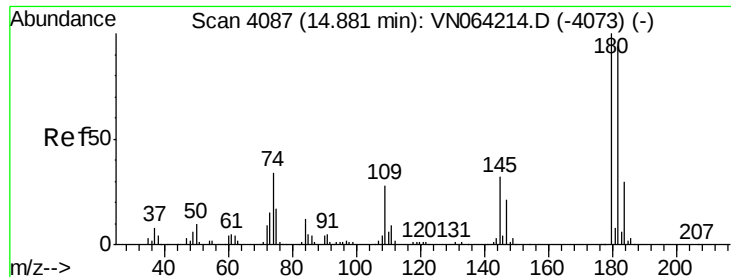
MMDadoda
 10/26/2020 1:39:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.489 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18108		
155	71.5	36.9	110.7	
157	92.9	44.6	133.8	





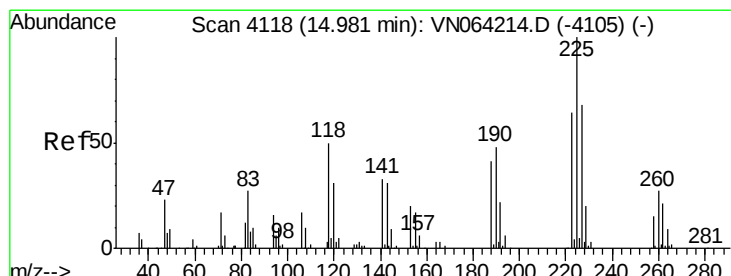
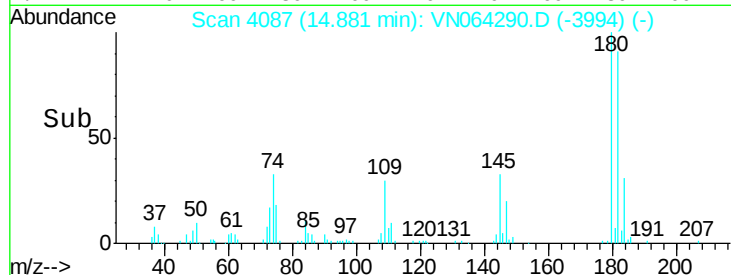
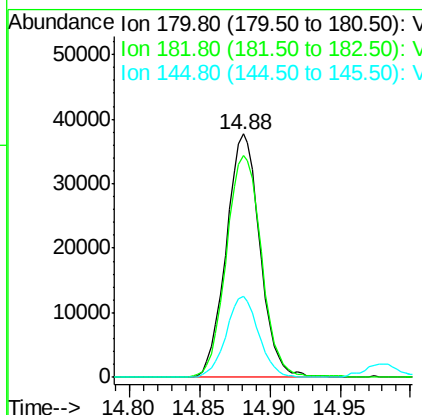
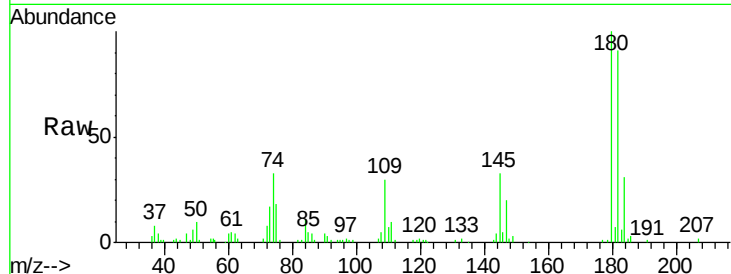
#93
1,2,4-Trichlorobenzene
Concen: 18.453 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.9	140.7
145	32.0	16.1	48.3

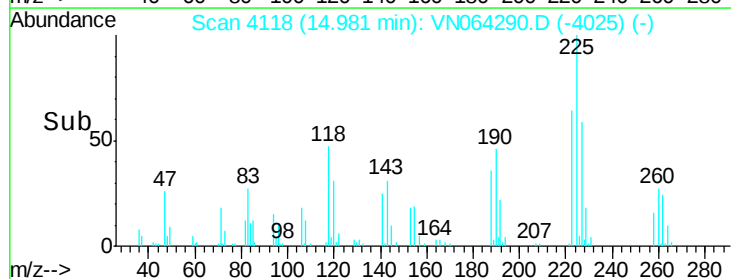
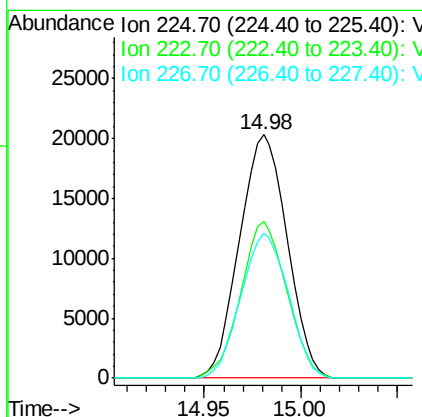
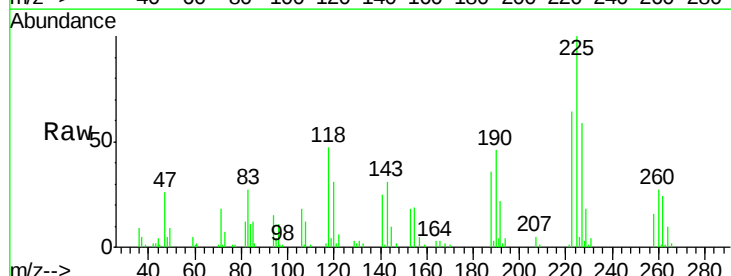
Manual Integrations
APPROVED

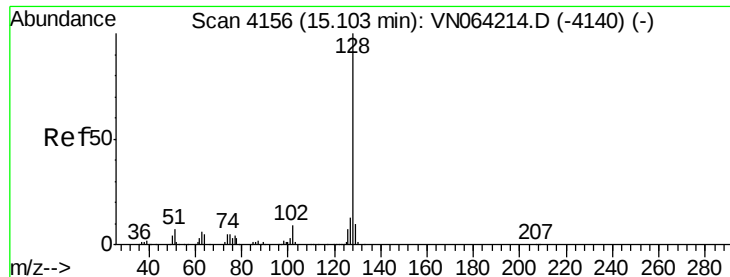
MMDadoda
10/26/2020 1:39:00 PM



#94
Hexachlorobutadiene
Concen: 18.865 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.5	94.5
227	59.1	32.1	96.5





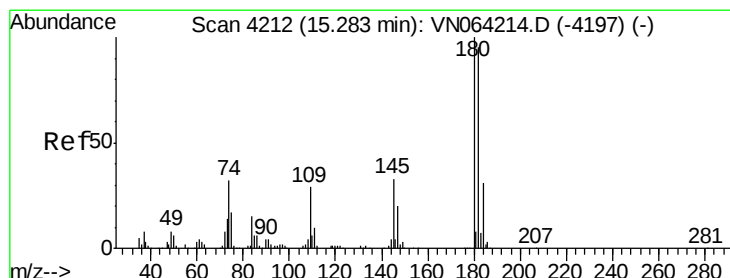
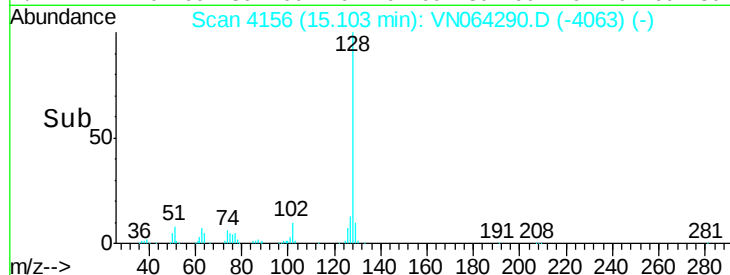
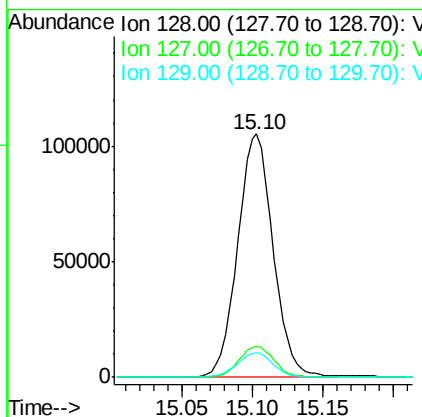
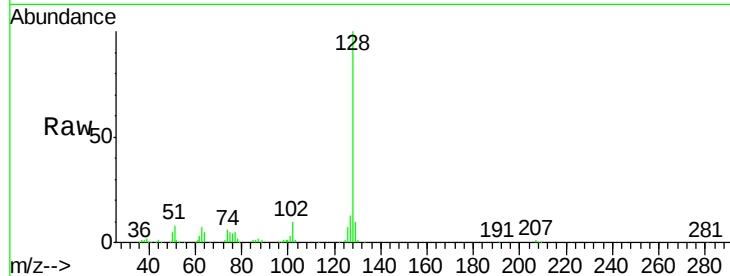
#95
Naphthalene
Concen: 18.120 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.527 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	48.0	144.2
145	35.5	17.1	51.3

