

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062974.D
 Acq On : 17 Aug 2020 16:20
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:59 AM

Quant Time: Aug 17 16:44:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	241935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	347877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	323791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140930	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	14163	3.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	7.62%	
35) Dibromofluoromethane	7.55	113	12217	5.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.38%	
50) Toluene-d8	10.06	98	45559	4.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.38	95	15976	4.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	10510	3.143	ug/l	100
3) Chloromethane	2.04	50	11864	3.726	ug/l	90
4) Vinyl Chloride	2.16	62	15168	4.818	ug/l	97
5) Bromomethane	2.52	94	14947	7.158	ug/l	99
6) Chloroethane	2.67	64	11696	5.665	ug/l	98
7) Trichlorofluoromethane	2.98	101	24269	4.527	ug/l	95
8) Diethyl Ether	3.38	74	7562	4.965	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	11969	5.001	ug/l	98
10) Methyl Iodide	3.91	142	10834	4.051	ug/l #	90
11) Tert butyl alcohol	4.73	59	12608	20.929	ug/l #	79
12) 1,1-Dichloroethene	3.69	96	11286	4.970	ug/l	92
13) Acrolein	3.57	56	6394	17.102	ug/l	99
14) Allyl chloride	4.27	41	16512	4.037	ug/l	98
15) Acrylonitrile	4.94	53	28176	19.282	ug/l	97
16) Acetone	3.78	43	26963	19.812	ug/l	97
17) Carbon Disulfide	4.01	76	34215	5.116	ug/l	95
18) Methyl Acetate	4.28	43	13041	3.558	ug/l	93
19) Methyl tert-butyl Ether	4.99	73	32606	3.647	ug/l	100
20) Methylene Chloride	4.51	84	14478	4.992	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	12414	5.202	ug/l	92
22) Diisopropyl ether	5.90	45	33135	3.824	ug/l #	83
23) Vinyl Acetate	5.84	43	127647	19.481	ug/l	97
24) 1,1-Dichloroethane	5.80	63	21553	4.220	ug/l	99
25) 2-Butanone	6.79	43	35859	18.700	ug/l	100
26) 2,2-Dichloropropane	6.77	77	18210	3.956	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	14384	5.050	ug/l	98
28) Bromochloromethane	7.15	49	9835	3.982	ug/l #	99
29) Tetrahydrofuran	7.17	42	22417	17.953	ug/l	99
30) Chloroform	7.33	83	21508	3.996	ug/l	99
31) Cyclohexane	7.61	56	20888	4.486	ug/l #	81
32) 1,1,1-Trichloroethane	7.53	97	18677	3.934	ug/l	99
36) 1,1-Dichloropropene	7.75	75	16860	5.114	ug/l	97
37) Ethyl Acetate	6.88	43	13858	4.096	ug/l	97
38) Carbon Tetrachloride	7.73	117	16851	4.334	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062974.D
 Acq On : 17 Aug 2020 16:20
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:59 AM

Quant Time: Aug 17 16:44:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	18562	4.573	ug/l	95
40) Benzene	8.00	78	51893	5.183	ug/l	99
41) Methacrylonitrile	7.14	41	6826m	4.580	ug/l	
42) 1,2-Dichloroethane	8.08	62	16873	4.126	ug/l	99
43) Isopropyl Acetate	8.13	43	22040	3.912	ug/l	99
44) Trichloroethene	8.80	130	13989	5.641	ug/l	94
45) 1,2-Dichloropropane	9.08	63	13256	4.931	ug/l	99
46) Dibromomethane	9.17	93	8739	4.957	ug/l	99
47) Bromodichloromethane	9.37	83	16856	4.326	ug/l	100
48) Methyl methacrylate	9.17	41	10043	3.636	ug/l	97
49) 1,4-Dioxane	9.17	88	4546	87.733	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	70682	19.425	ug/l	95
52) Toluene	10.12	92	31242	5.045	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	17814	4.173	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	19881	4.565	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	13301	5.015	ug/l	94
56) Ethyl methacrylate	10.40	69	16280	4.189	ug/l	99
57) 1,3-Dichloropropane	10.68	76	19728	4.451	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	16701	15.528	ug/l	97
59) 2-Hexanone	10.72	43	51064	18.912	ug/l	98
60) Dibromochloromethane	10.87	129	14012	4.667	ug/l	95
61) 1,2-Dibromoethane	10.98	107	13364	5.114	ug/l	93
64) Tetrachloroethene	10.60	164	12869	6.076	ug/l	97
65) Chlorobenzene	11.41	112	34484	5.117	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	13433	5.002	ug/l	98
67) Ethyl Benzene	11.48	91	56157	4.722	ug/l	100
68) m/p-Xylenes	11.60	106	41781	9.584	ug/l	94
69) o-Xylene	11.92	106	19896	4.881	ug/l	99
70) Styrene	11.94	104	33040	4.614	ug/l	98
71) Bromoform	12.10	173	10862	4.896	ug/l #	96
73) Isopropylbenzene	12.22	105	52920	5.093	ug/l	98
74) N-amyl acetate	12.05	43	16532	4.080	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	18499	5.063	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	16225m	4.447	ug/l	
77) Bromobenzene	12.50	156	15442	5.829	ug/l	98
78) n-propylbenzene	12.57	91	59026	4.856	ug/l	98
79) 2-Chlorotoluene	12.65	91	37051	4.884	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	43043	4.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	5232	4.413	ug/l	94
82) 4-Chlorotoluene	12.75	91	38347	4.895	ug/l	97
83) tert-Butylbenzene	12.97	119	36794	4.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	40191	4.666	ug/l	100
85) sec-Butylbenzene	13.15	105	48674	4.852	ug/l	100
86) p-Isopropyltoluene	13.26	119	41911	4.701	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	24706	5.263	ug/l	96
88) 1,4-Dichlorobenzene	13.34	146	25337	5.364	ug/l	94
89) n-Butylbenzene	13.59	91	33289	4.446	ug/l	97
90) Hexachloroethane	13.85	117	9574	5.020	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	23905	5.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2835	3.759	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
Data File : VN062974.D
Acq On : 17 Aug 2020 16:20
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM

Quant Time: Aug 17 16:44:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 14:58:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	9483	4.536	ug/l	98
94) Hexachlorobutadiene	14.98	225	10271	6.552	ug/l	97
95) Naphthalene	15.10	128	24854	4.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	10477	5.177	ug/l	98

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

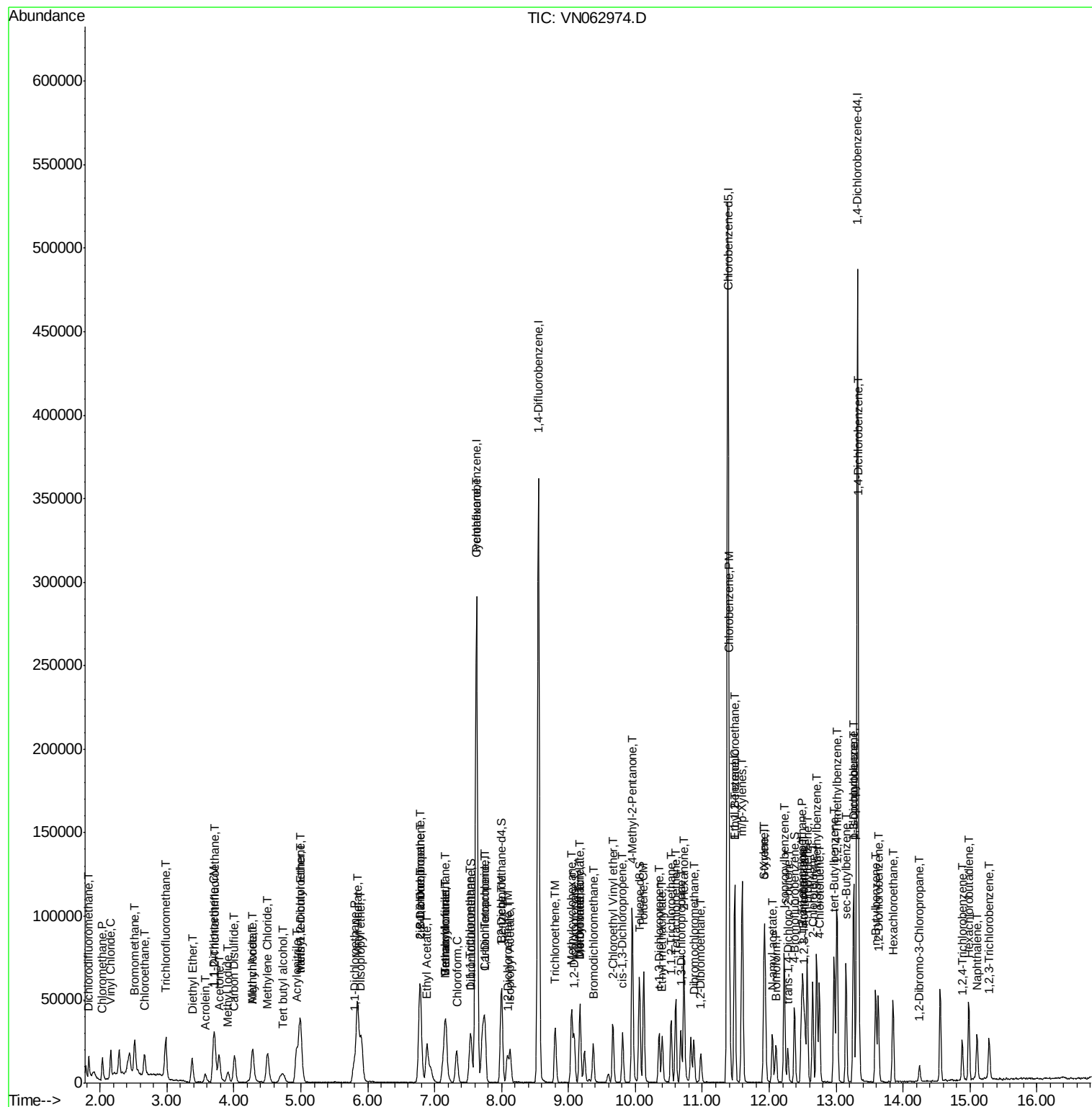
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062974.D
 Acq On : 17 Aug 2020 16:20
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

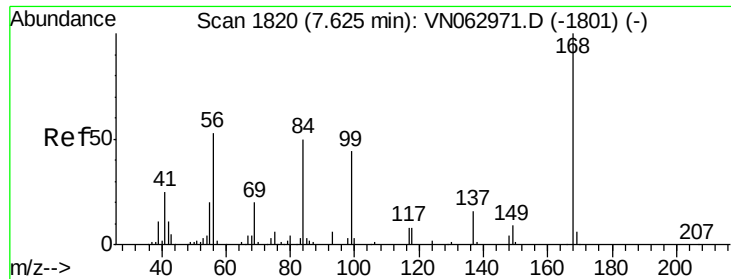
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:59 AM

Quant Time: Aug 17 16:44:04 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 241935

Ion Ratio Lower Upper

168 100

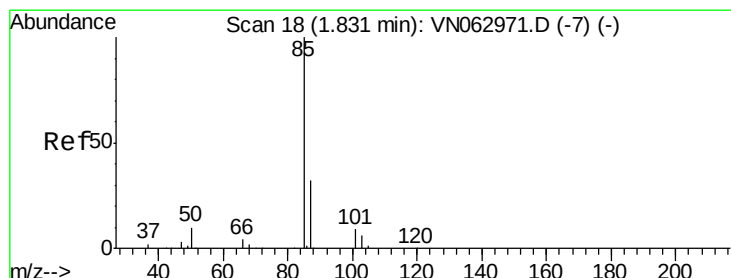
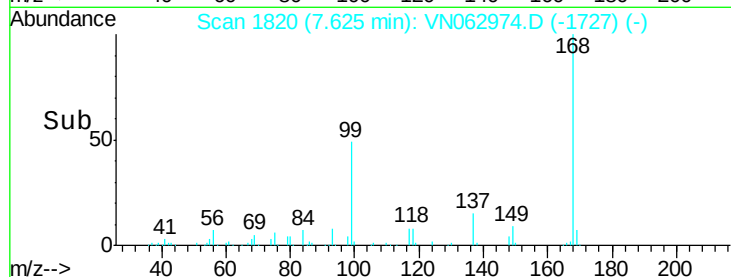
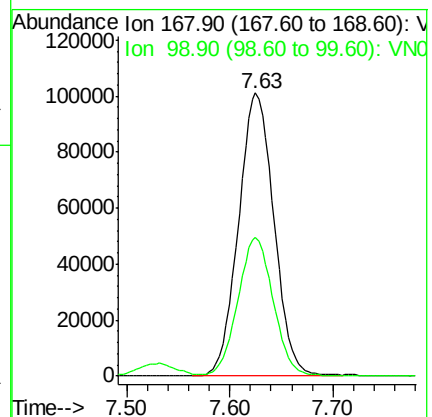
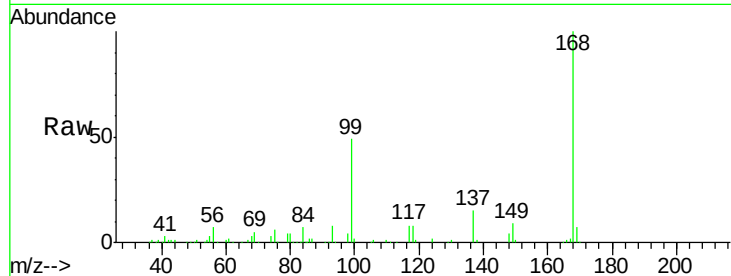
99 48.6 39.4 59.0

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:12:59 AM



#2

Dichlorodifluoromethane

Concen: 3.143 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062974.D

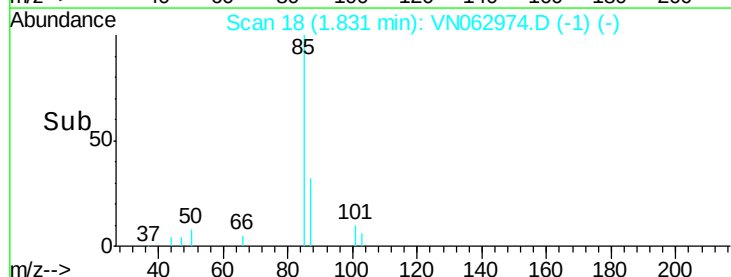
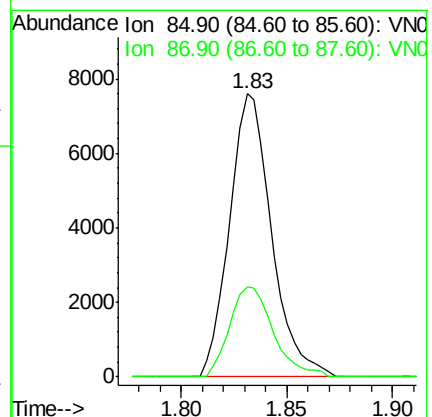
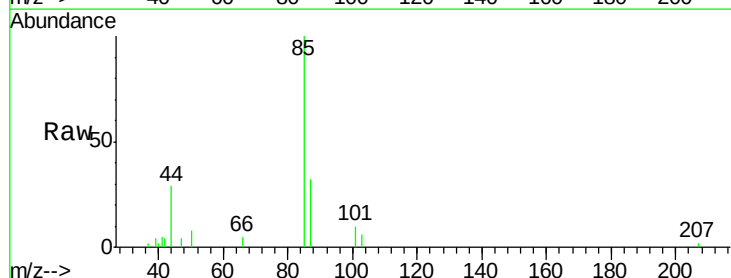
Acq: 17 Aug 2020 16:20

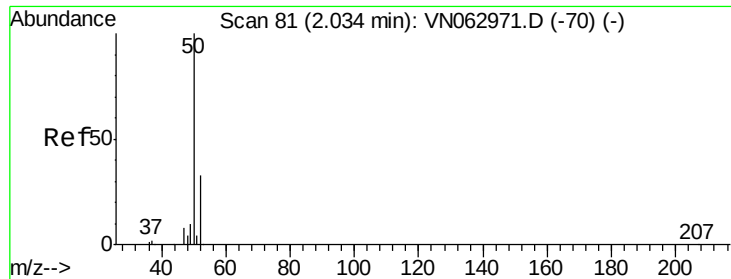
Tgt Ion: 85 Resp: 10510

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7





#3

Chloromethane

Concen: 3.726 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11864

Ion Ratio Lower Upper

50 100

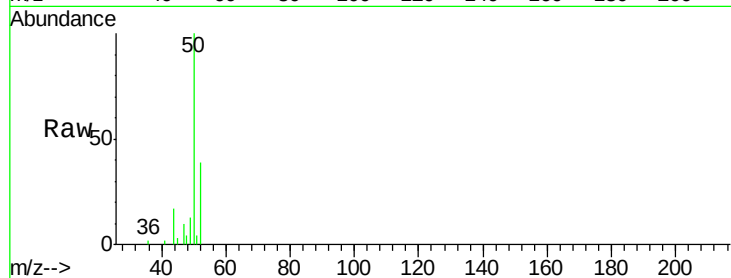
52 38.6 26.2 39.2

Manual Integrations

APPROVED

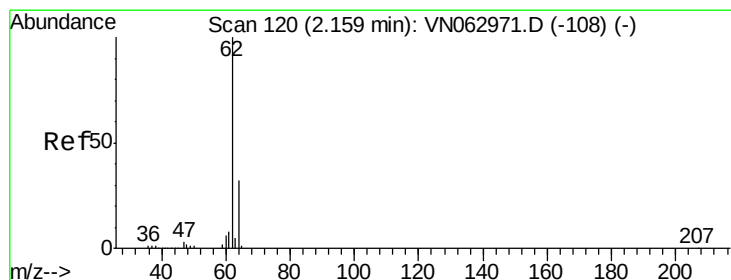
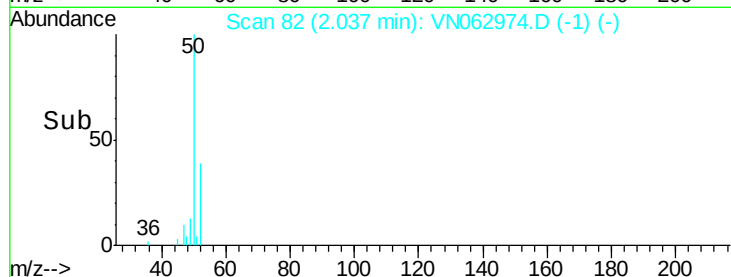
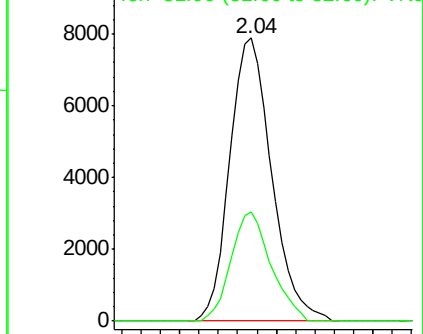
MMDadoda

8/18/2020 11:12:59 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.818 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062974.D

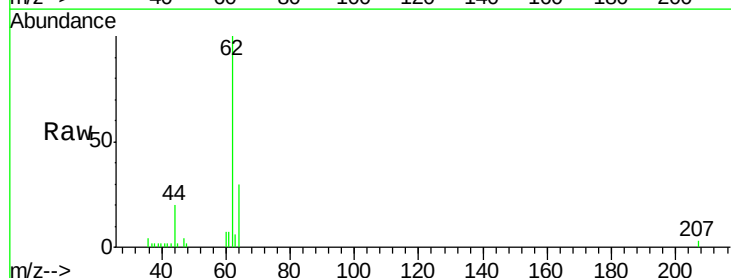
Acq: 17 Aug 2020 16:20

Tgt Ion: 62 Resp: 15168

Ion Ratio Lower Upper

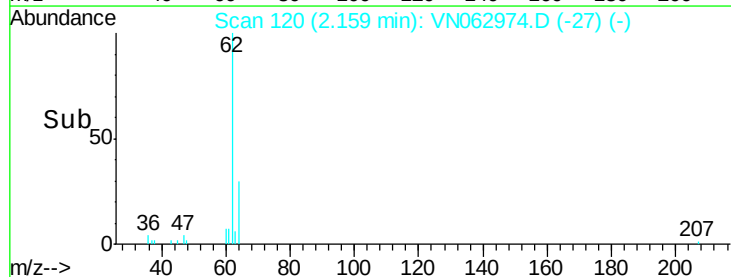
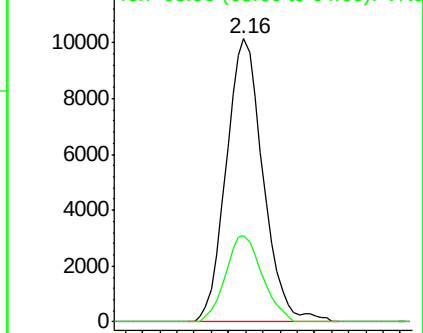
62 100

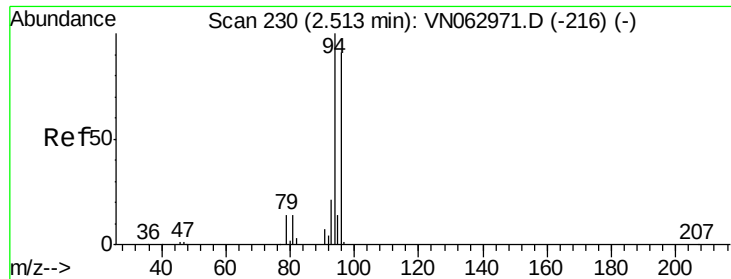
64 30.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 7.158 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.01 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14947

Ion Ratio Lower Upper

94 100

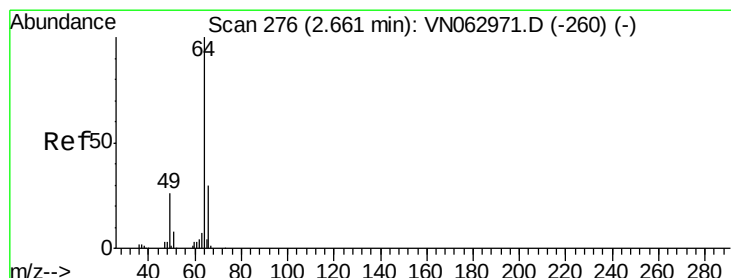
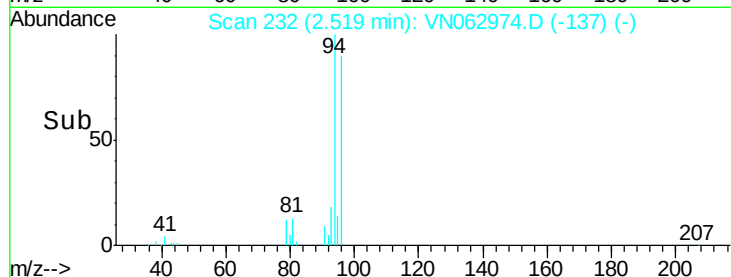
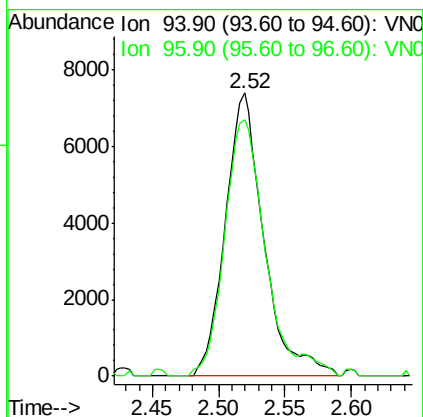
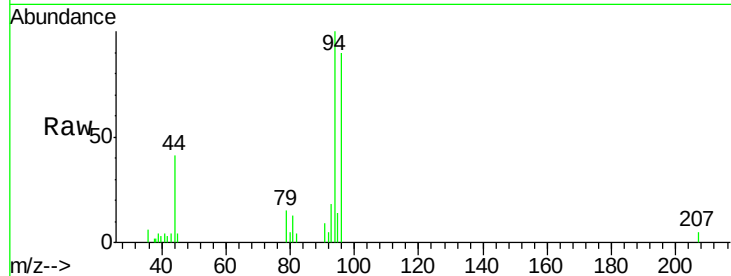
96 90.4 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:12:59 AM



#6

Chloroethane

Concen: 5.665 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN062974.D

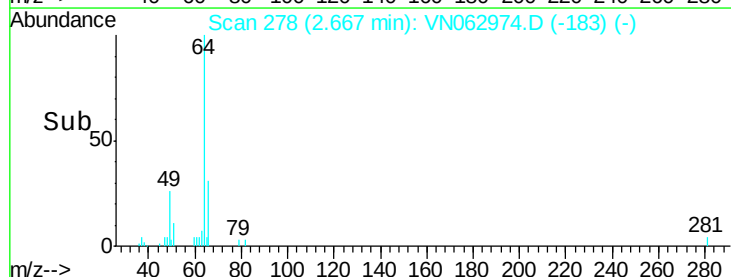
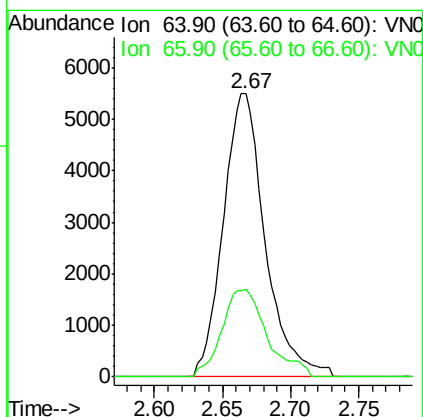
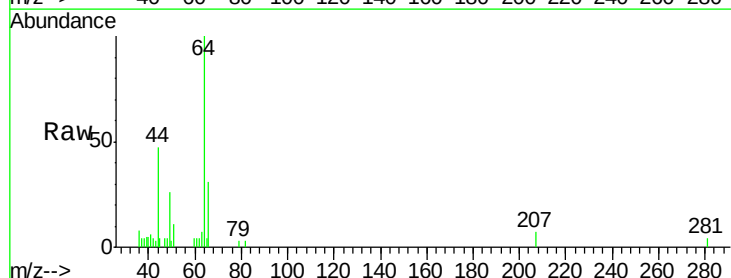
Acq: 17 Aug 2020 16:20

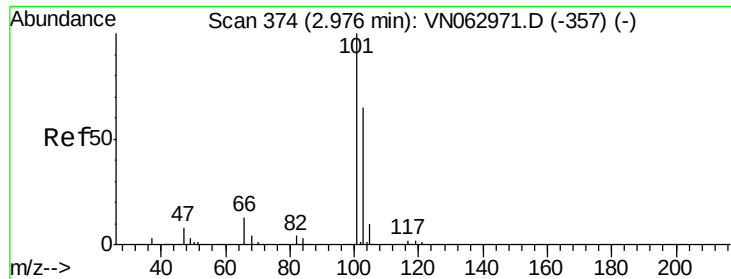
Tgt Ion: 64 Resp: 11696

Ion Ratio Lower Upper

64 100

66 30.8 23.8 35.8





#7

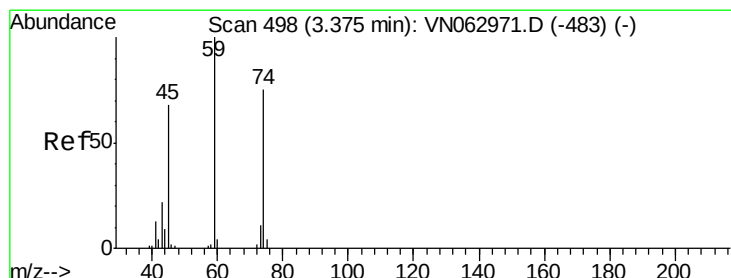
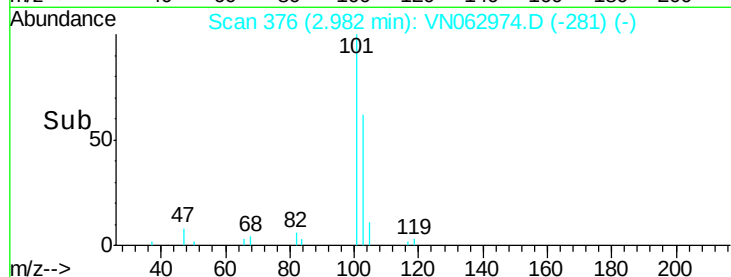
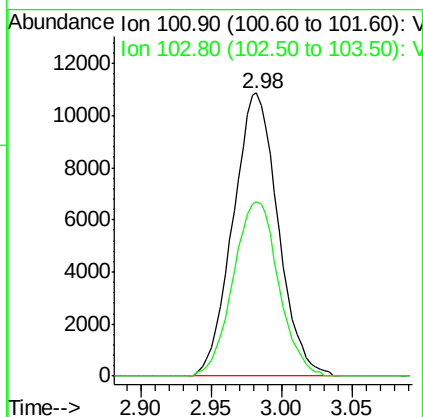
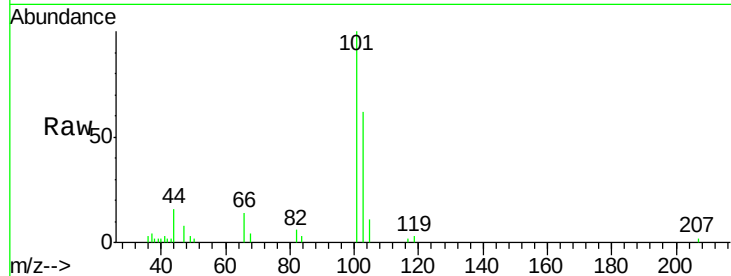
Trichlorofluoromethane
 Concen: 4.527 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	52.2	78.4

Manual Integrations
 APPROVED

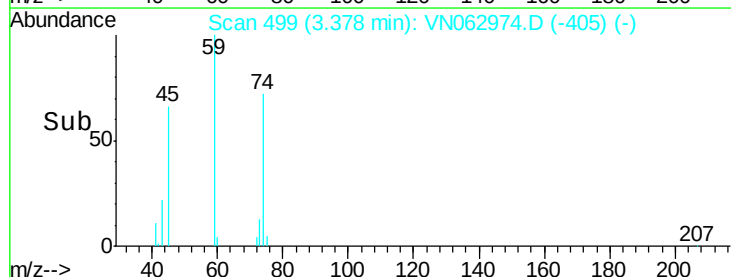
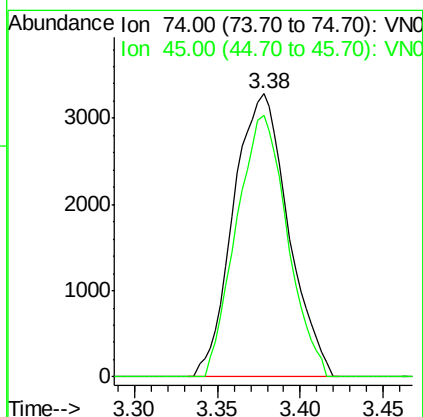
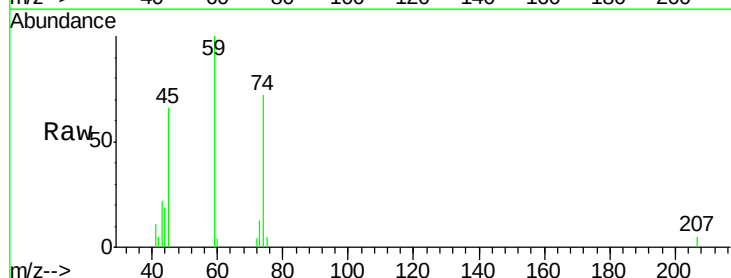
MMDadoda
 8/18/2020 11:12:59 AM

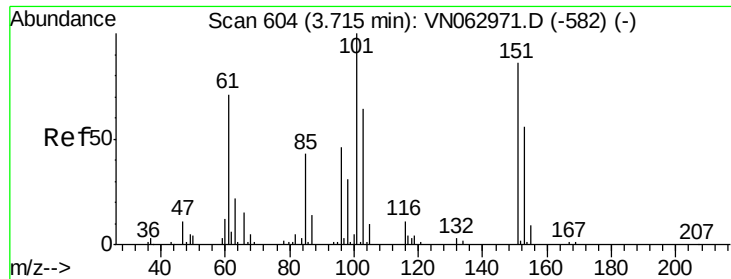


#8

Diethyl Ether
 Concen: 4.965 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.5	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.001 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

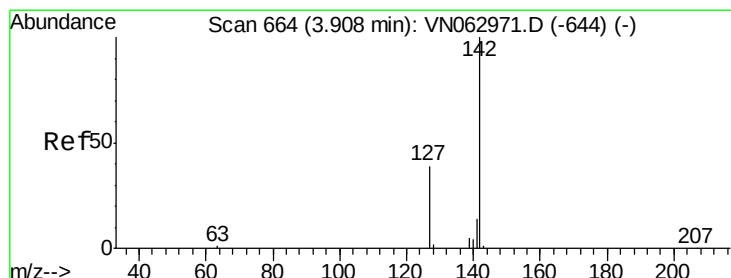
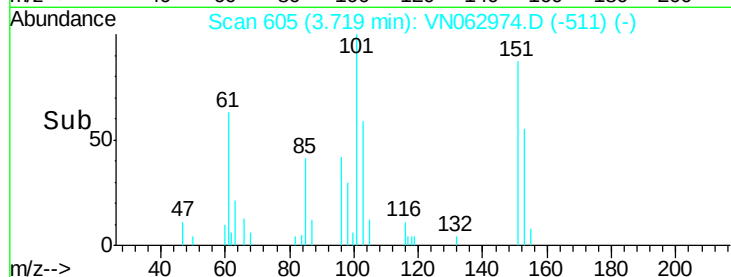
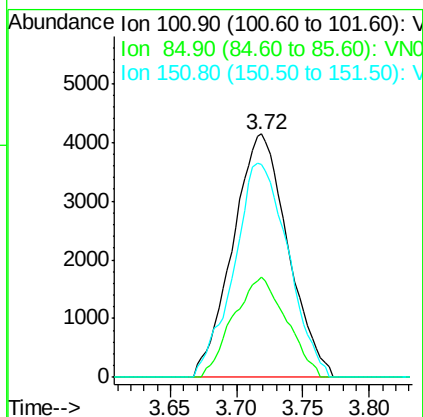
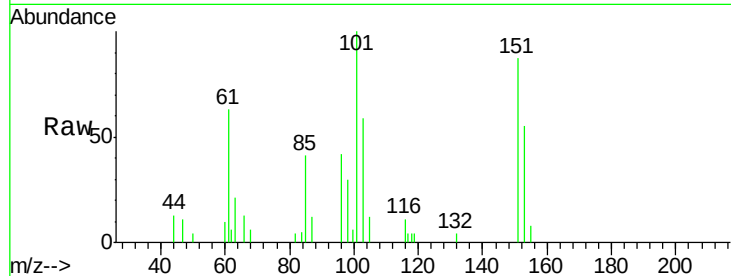
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	11969
Ion Ratio	Lower	Upper	
101	100		
85	39.7	34.1	51.1
151	86.8	69.3	103.9

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM



#10

Methyl Iodide

Concen: 4.051 ug/l

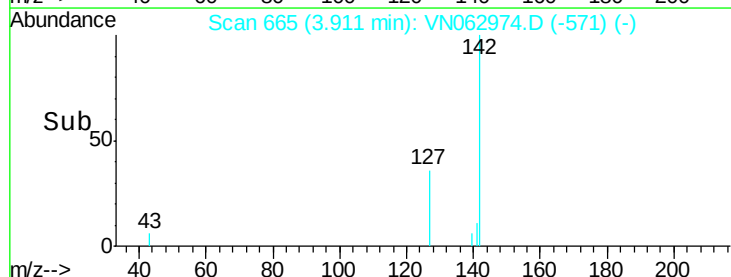
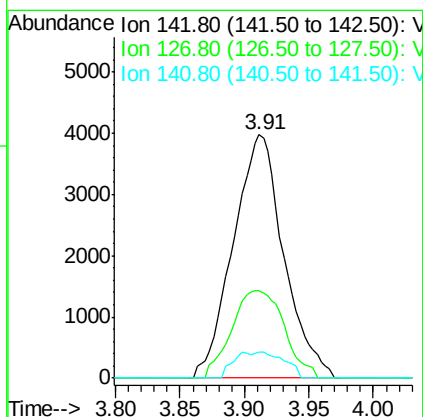
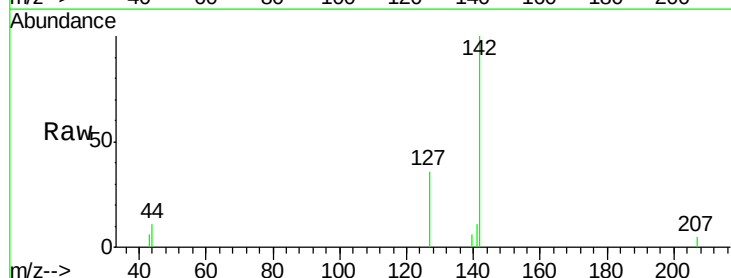
RT: 3.91 min Scan# 665

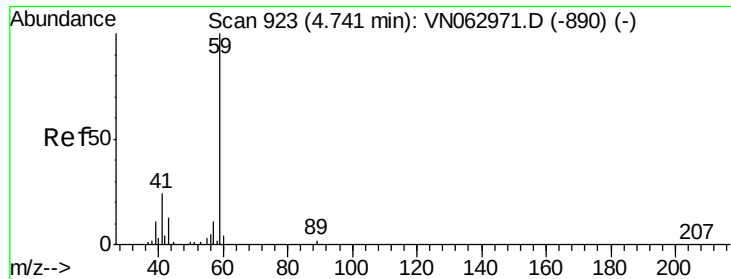
Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Tgt Ion:	142	Resp:	10834
Ion Ratio	Lower	Upper	
142	100		
127	37.3	31.9	47.9
141	4.1	11.4	17.2#





#11

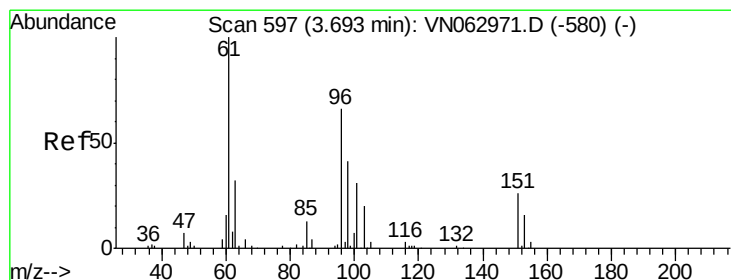
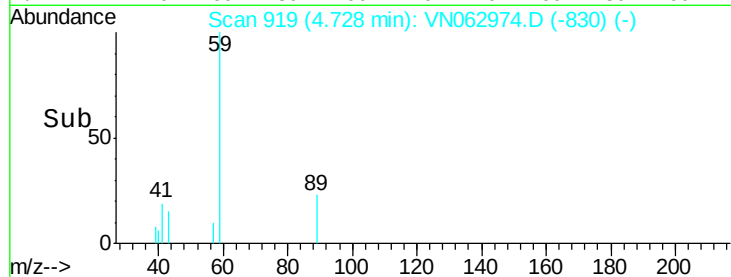
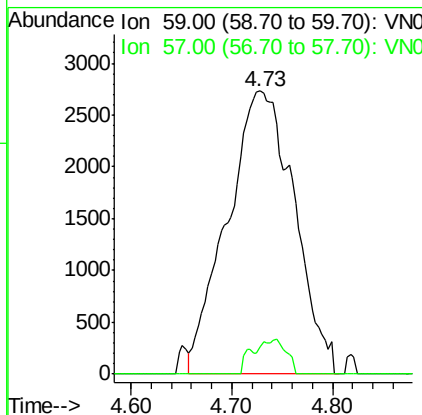
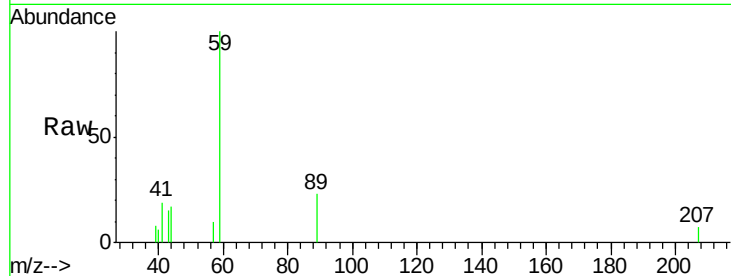
Tert butyl alcohol
Concen: 20.929 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	59	Resp	12608
Ion Ratio	100	Lower	Upper
57	1.6	7.6	11.4#

Manual Integrations
APPROVED

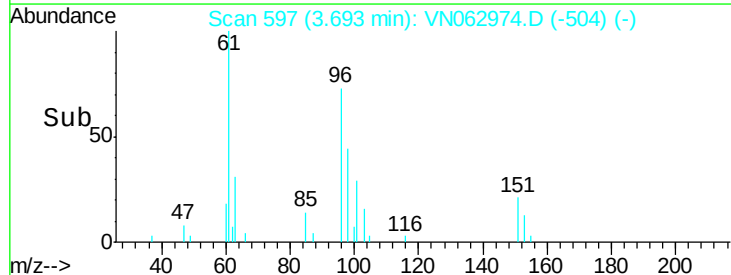
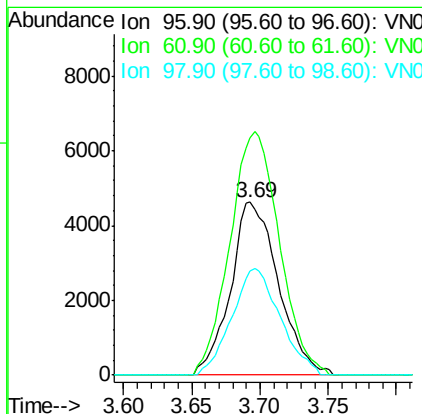
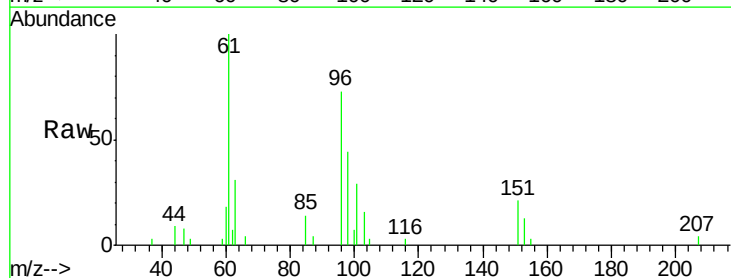
MMDadoda
8/18/2020 11:12:59 AM

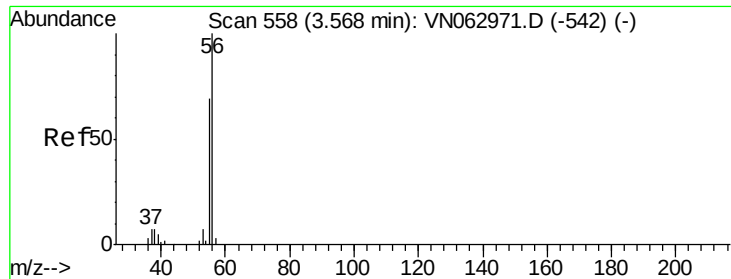


#12

1,1-Dichloroethene
Concen: 4.970 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	96	Resp	11286
Ion Ratio	100	Lower	Upper
61	137.4	120.4	180.6
98	60.4	49.8	74.6





#13

Acrolein

Concen: 17.102 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6394

Ion Ratio Lower Upper

56 100

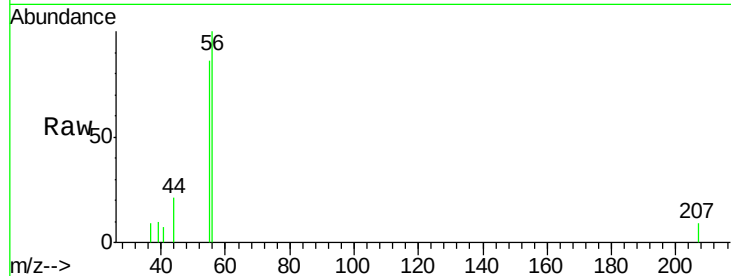
55 69.0 56.1 84.1

Manual Integrations

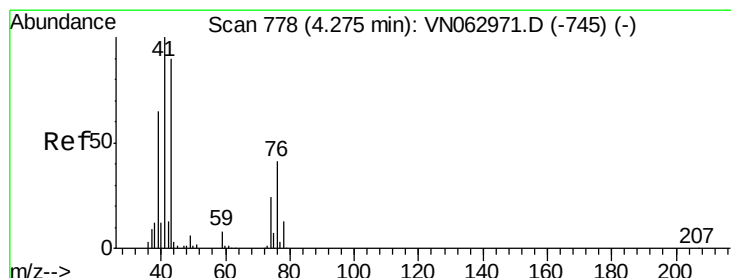
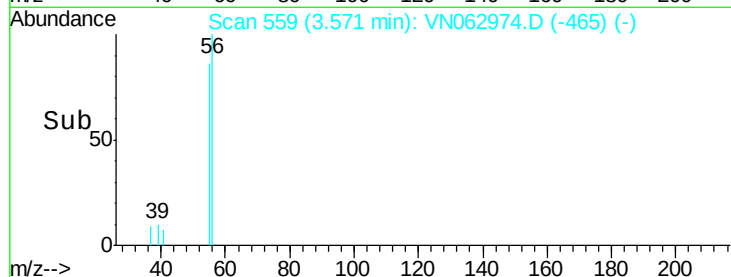
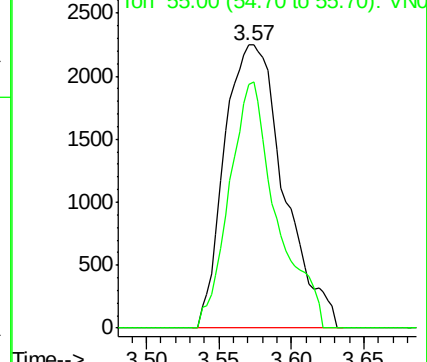
APPROVED

MMDadoda

8/18/2020 11:12:59 AM



Abundance Ion 56.00 (55.70 to 56.70): VN062971.D (-542) (-)



#14

Allyl chloride

Concen: 4.037 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

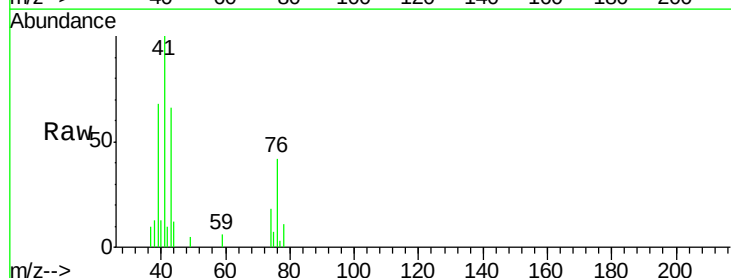
Tgt Ion: 41 Resp: 16512

Ion Ratio Lower Upper

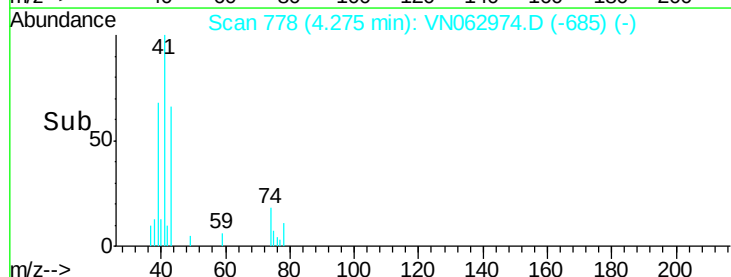
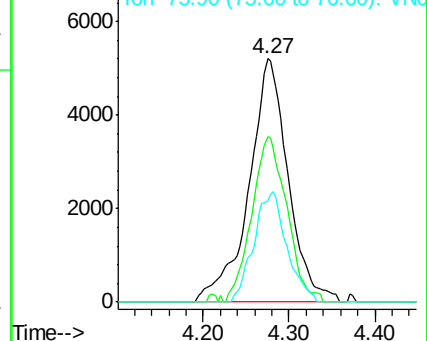
41 100

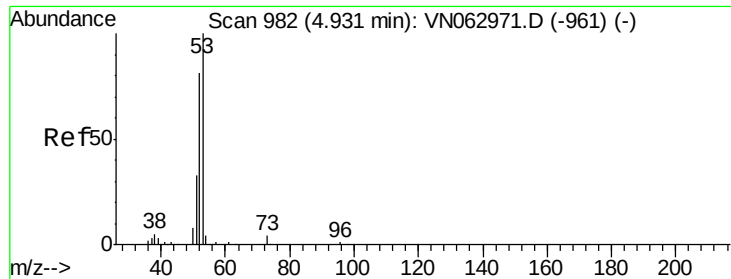
39 60.6 46.7 70.1

76 38.2 30.2 45.4



Abundance Ion 41.00 (40.70 to 41.70): VN062971.D (-745) (-)





#15

Acrylonitrile

Concen: 19.282 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

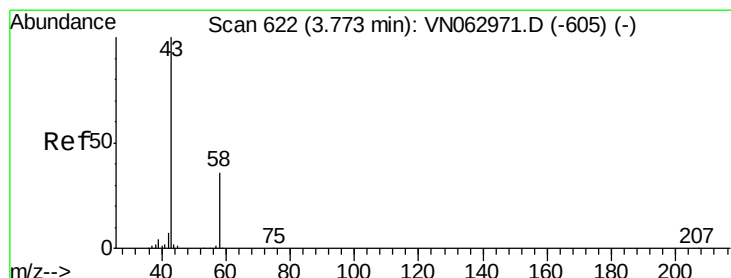
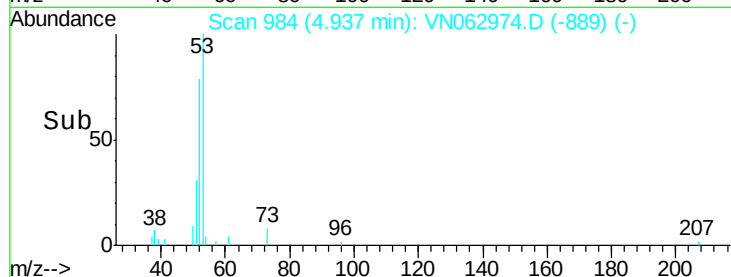
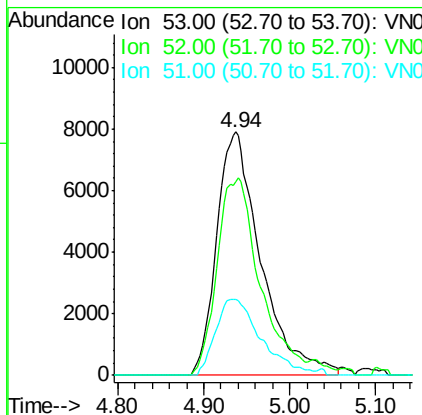
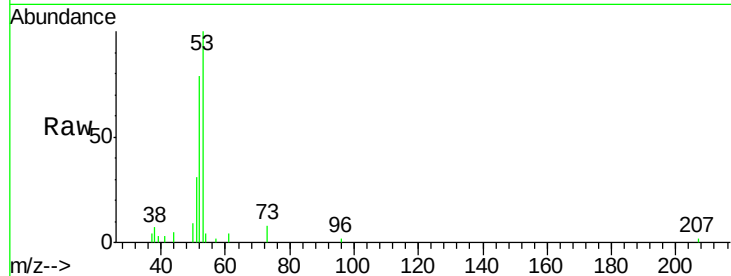
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	28176
Ion Ratio	Lower	Upper	
53	100		
52	78.3	65.0	97.6
51	32.3	27.4	41.2

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM



#16

Acetone

Concen: 19.812 ug/l

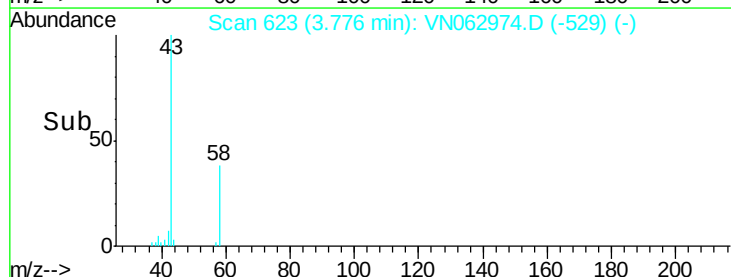
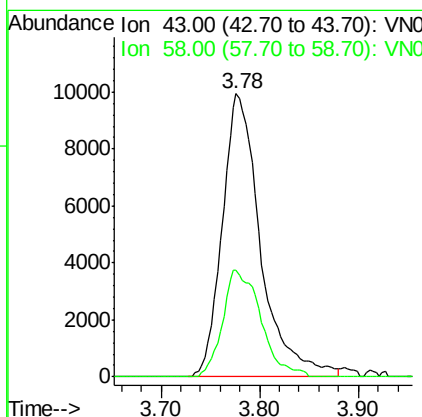
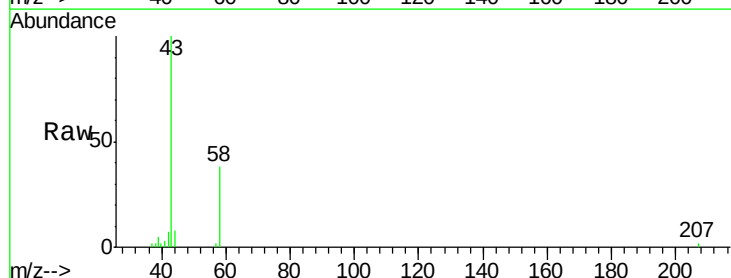
RT: 3.78 min Scan# 623

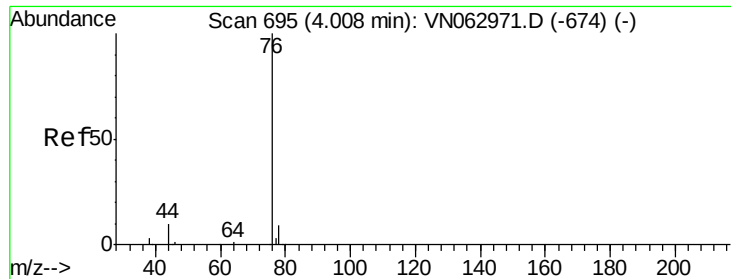
Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Tgt Ion:	43	Resp:	26963
Ion Ratio	Lower	Upper	
43	100		
58	37.9	28.7	43.1





#17

Carbon Disulfide

Concen: 5.116 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 34215

Ion Ratio Lower Upper

76 100

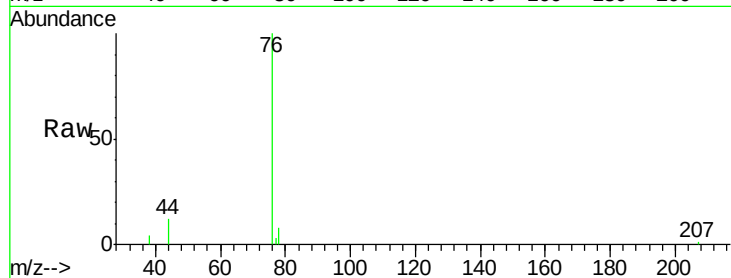
78 7.6 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:12:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN062971.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062971.D (-674) (-)

4.01

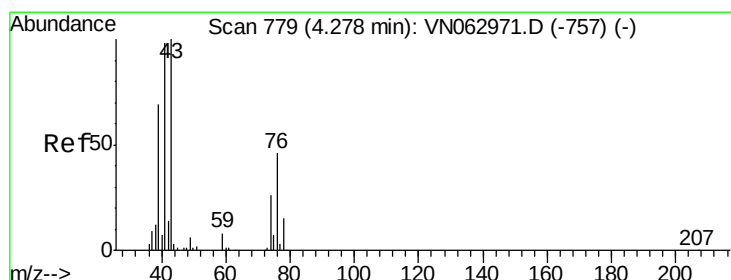
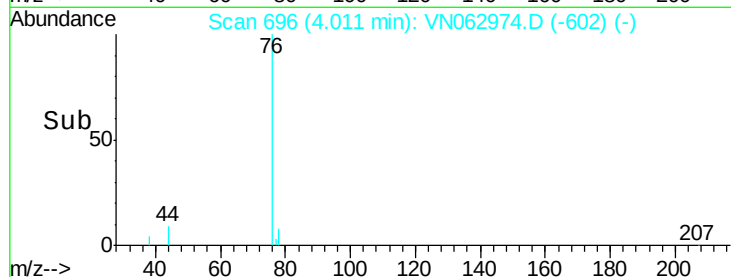
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 3.558 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062974.D

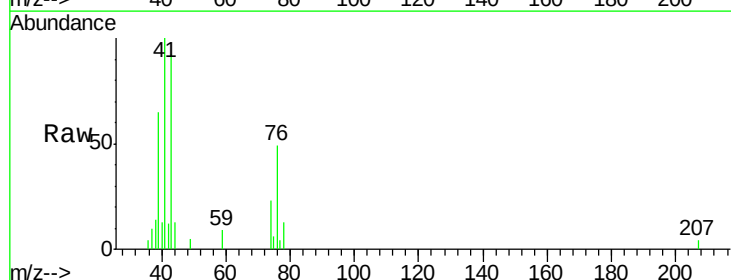
Acq: 17 Aug 2020 16:20

Tgt Ion: 43 Resp: 13041

Ion Ratio Lower Upper

43 100

74 23.3 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VN062971.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN062971.D (-757) (-)

4.28

5000

4000

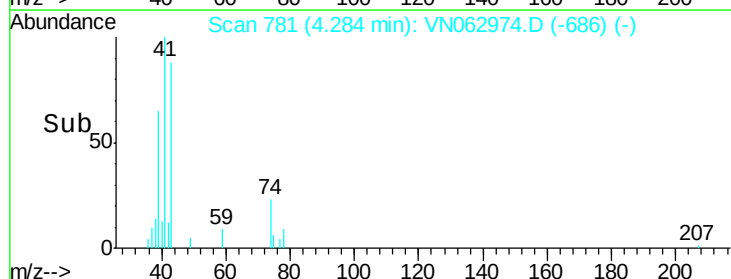
3000

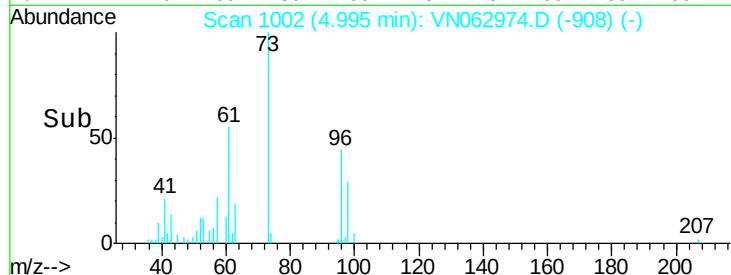
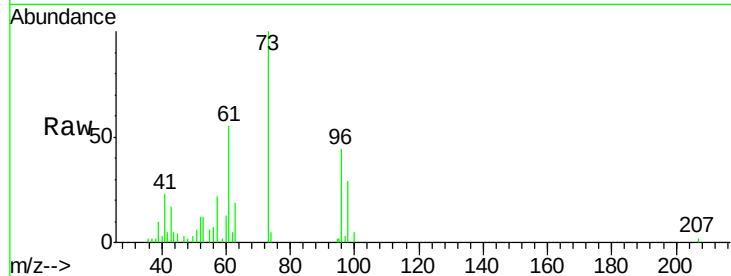
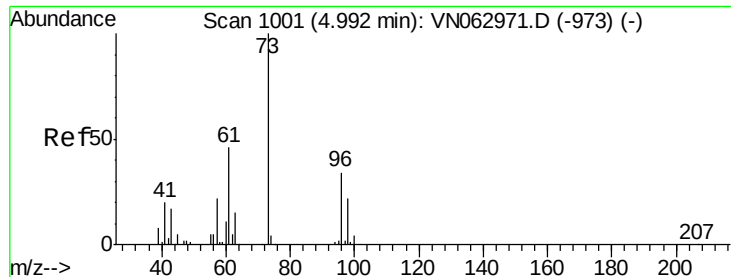
2000

1000

0

Time-->





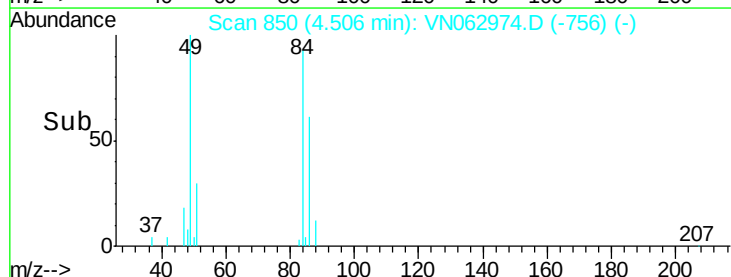
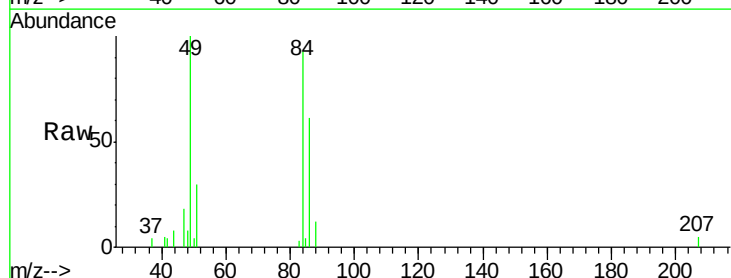
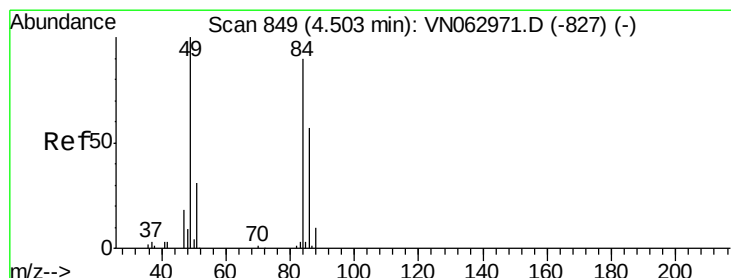
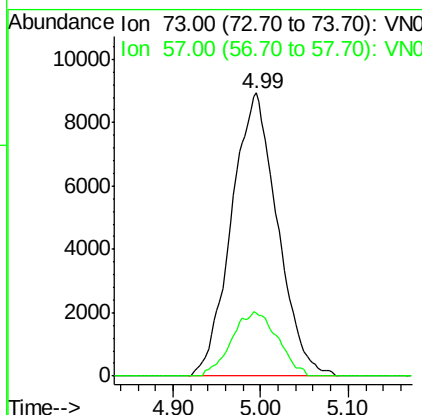
#19
Methyl tert-butyl Ether
Concen: 3.647 ug/l
RT: 4.99 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tot Ion: 73 Resp: 32606
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

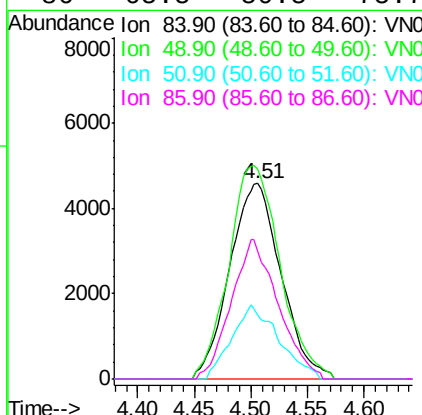
Manual Integrations
APPROVED

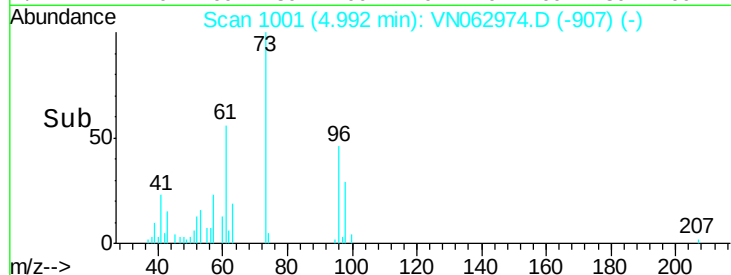
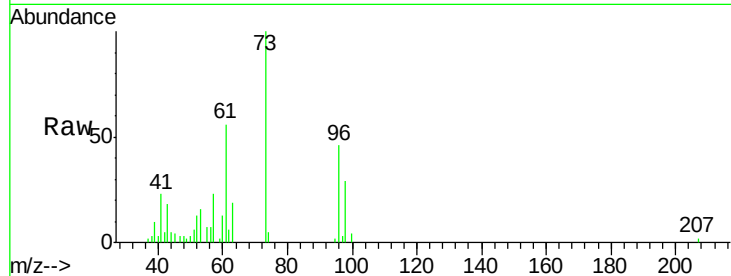
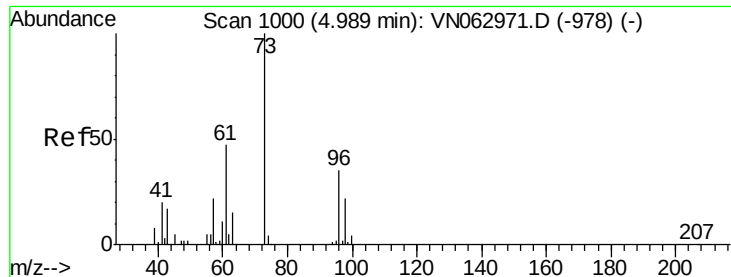
MMDadoda
8/18/2020 11:12:59 AM



#20
Methylene Chloride
Concen: 4.992 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion: 84 Resp: 14478
Ion Ratio Lower Upper
84 100
49 107.6 88.8 133.2
51 32.7 27.1 40.7
86 65.5 50.5 75.7





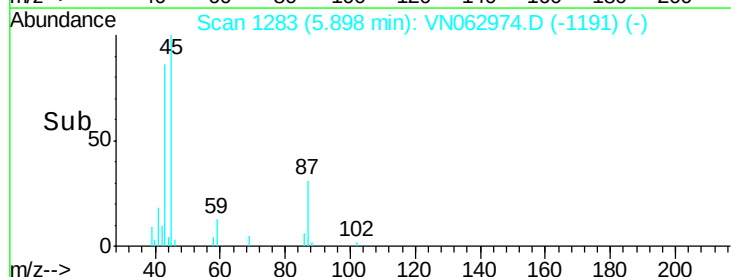
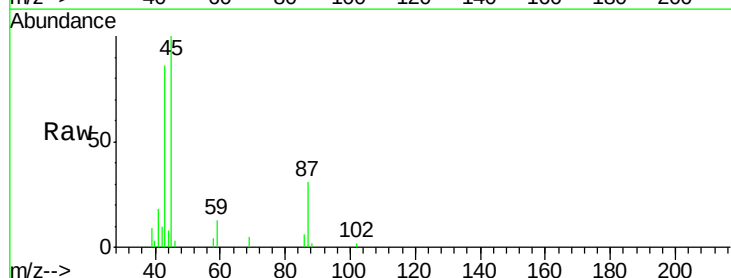
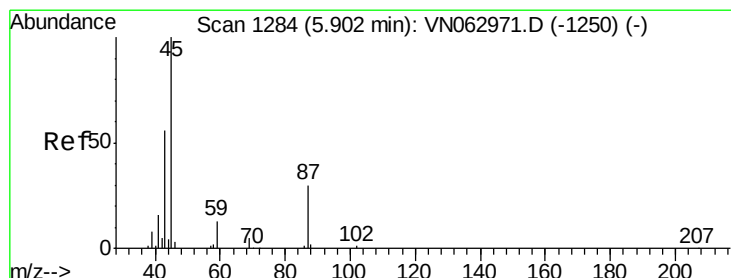
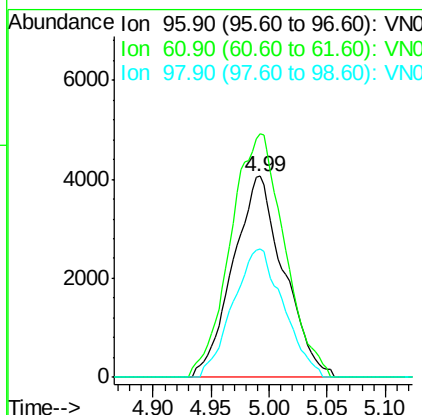
#21
trans-1,2-Dichloroethene
Concen: 5.202 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.0	107.7	161.5
98	63.8	51.0	76.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

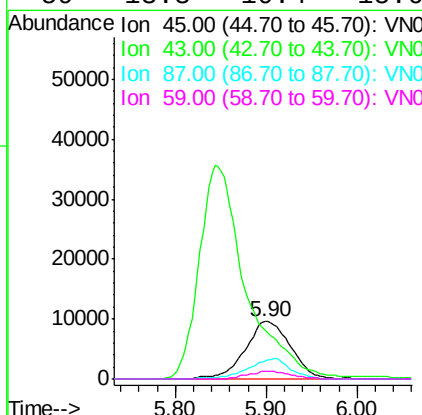
Manual Integrations
APPROVED

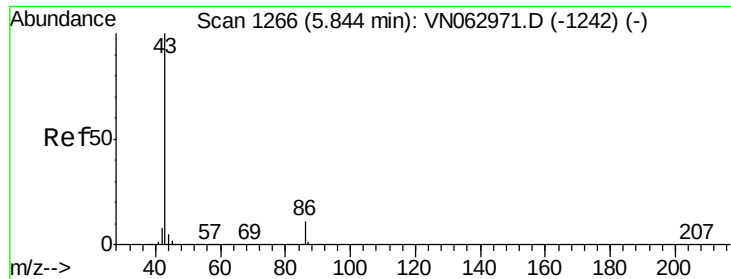
MMDadoda
8/18/2020 11:12:59 AM



#22
Diisopropyl ether
Concen: 3.824 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	80.2	47.1	70.7#
87	31.0	24.3	36.5
59	13.3	10.4	15.6





#23

Vinyl Acetate

Concen: 19.481 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 127647

Ion Ratio Lower Upper

43 100

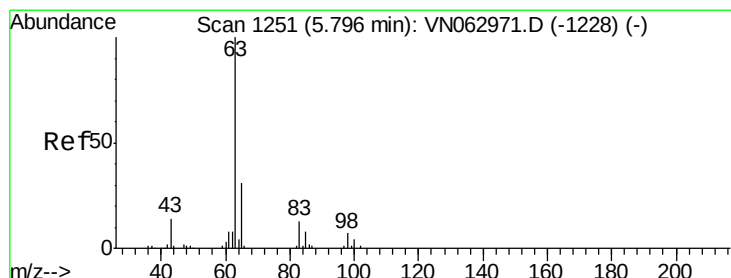
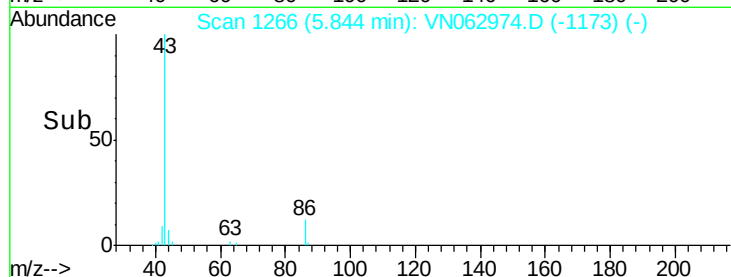
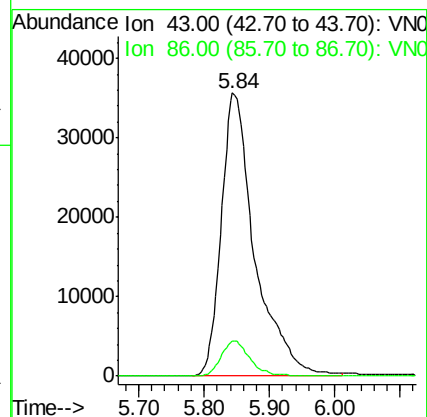
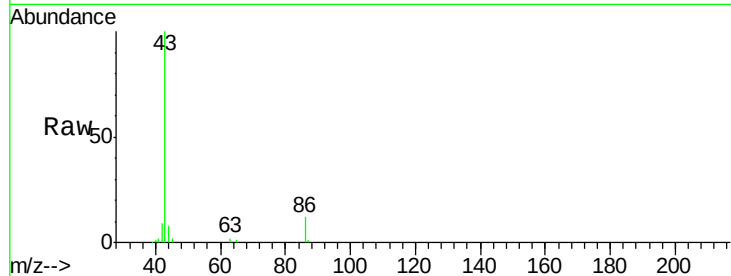
86 12.4 9.1 13.7

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:12:59 AM



#24

1,1-Dichloroethane

Concen: 4.220 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

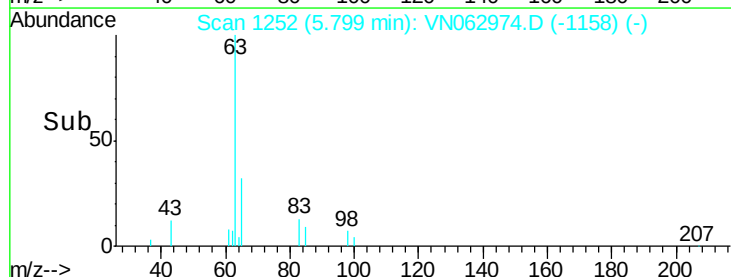
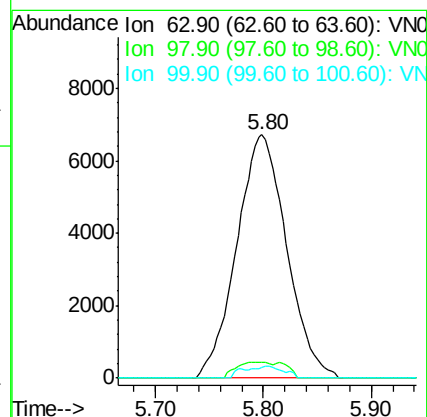
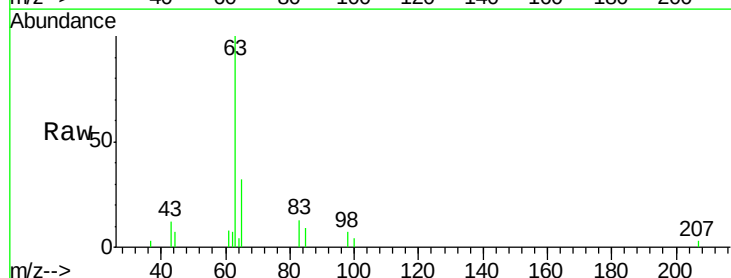
Tgt Ion: 63 Resp: 21553

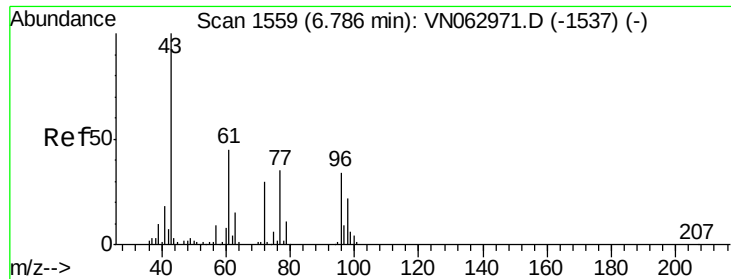
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.4 2.0 6.0





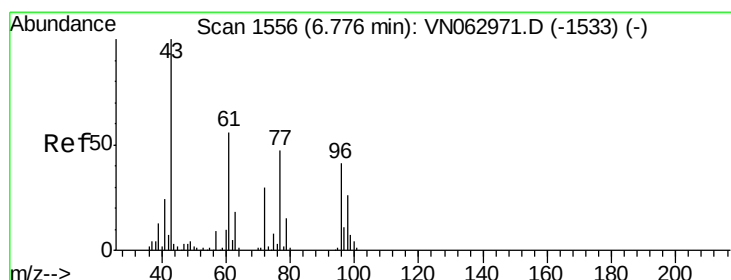
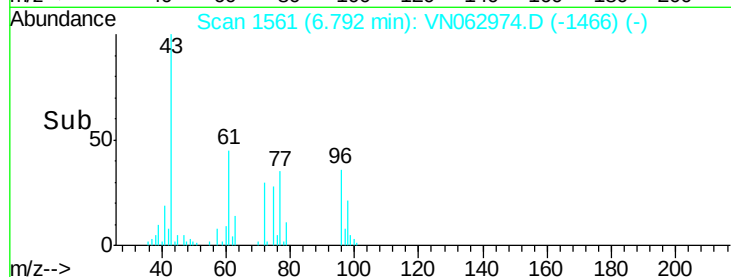
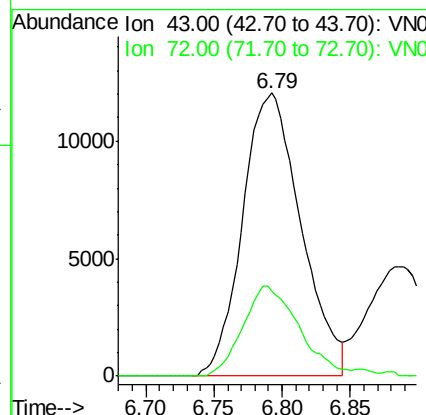
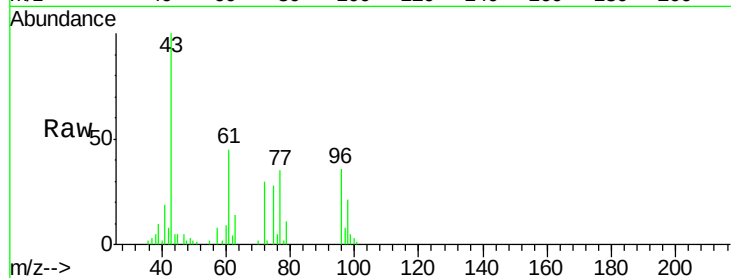
#25
2-Butanone
Concen: 18.700 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	35859
Ion Ratio	Lower	Upper	
43	100		
72	30.1	23.9	35.9

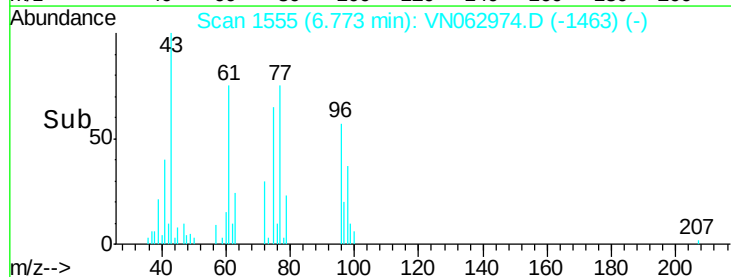
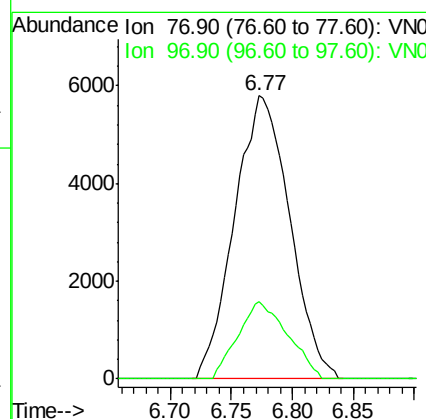
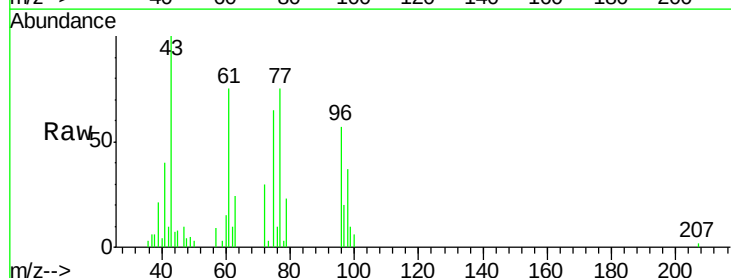
Manual Integrations
APPROVED

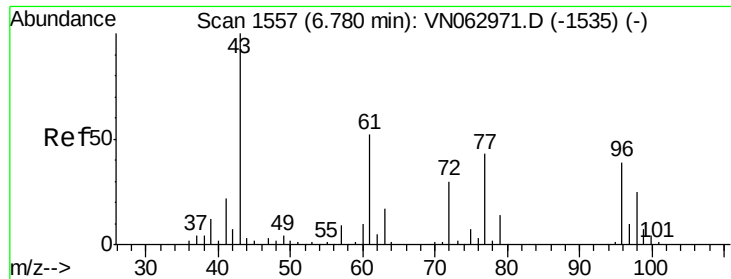
MMDadoda
8/18/2020 11:12:59 AM



#26
2,2-Dichloropropane
Concen: 3.956 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	77	Resp	18210
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
77	100		
97	24.6	12.0	36.1





#27

cis-1,2-Dichloroethene

Concen: 5.050 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

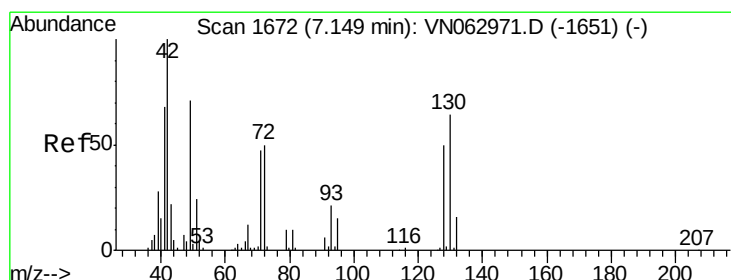
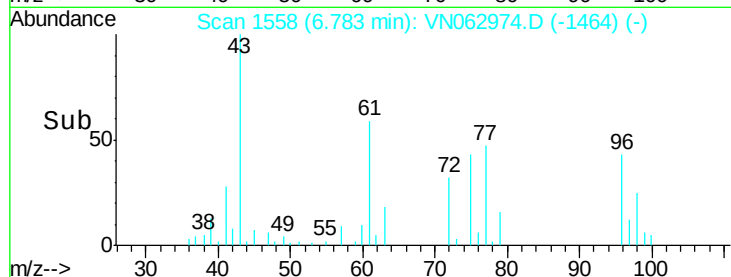
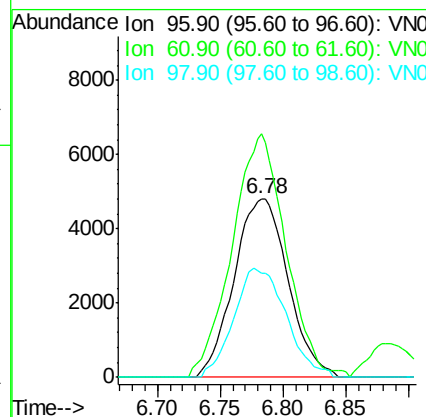
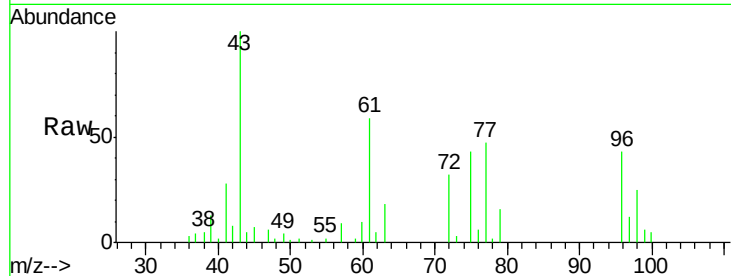
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	14384
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	270.4
98	59.2	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM



#28

Bromochloromethane

Concen: 3.982 ug/l

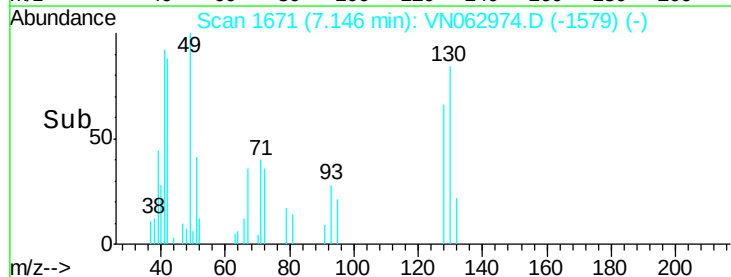
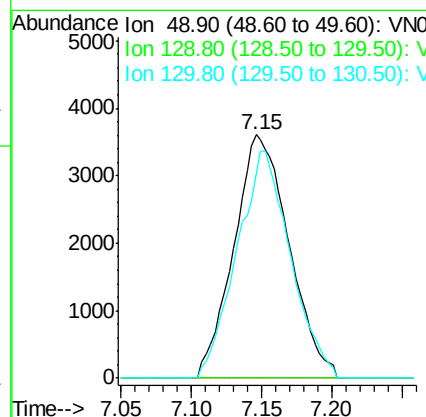
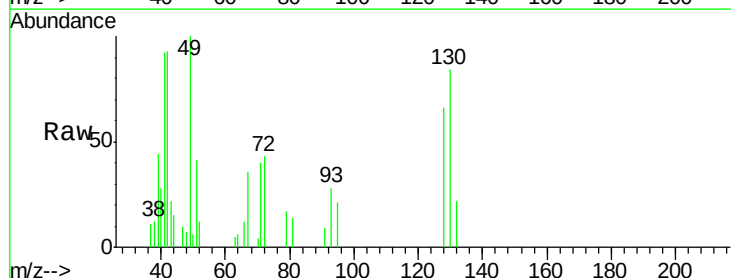
RT: 7.15 min Scan# 1671

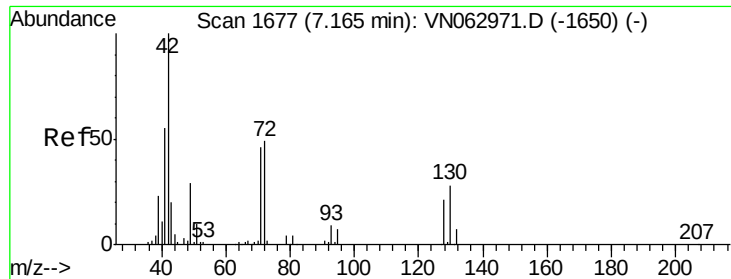
Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Tgt Ion:	49	Resp:	9835
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	90.8	73.5	110.3





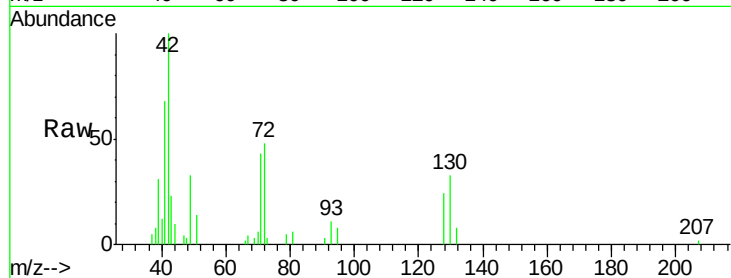
#29
Tetrahydrofuran
Concen: 17.953 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

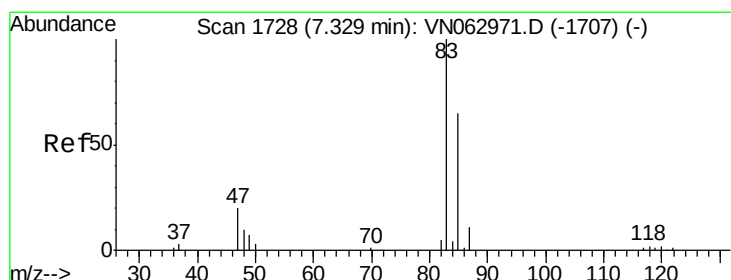
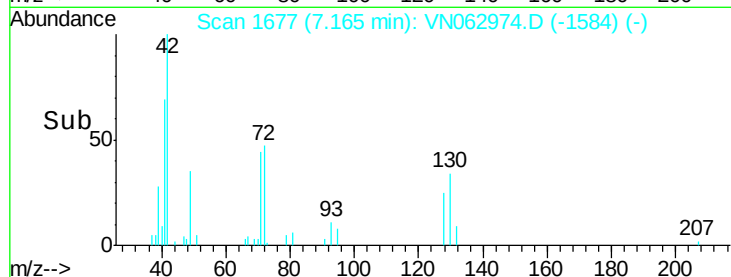
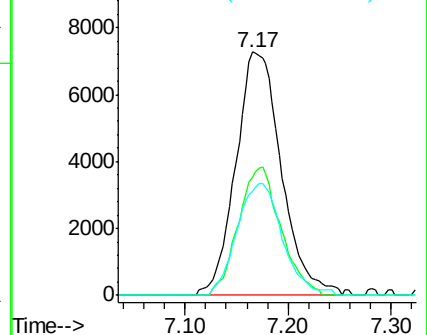
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	39.4	59.2
71	45.8	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM

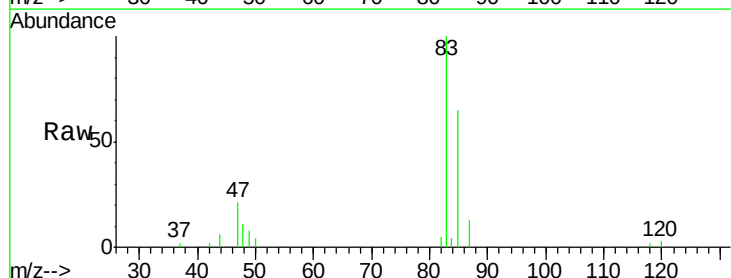


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

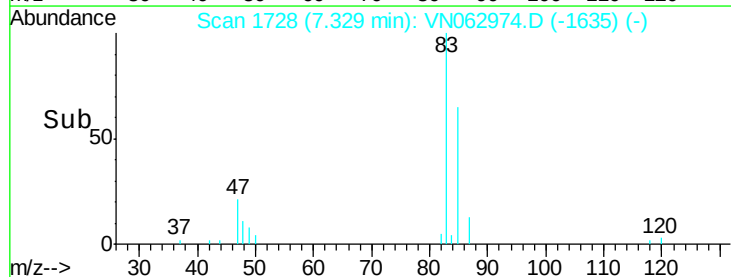
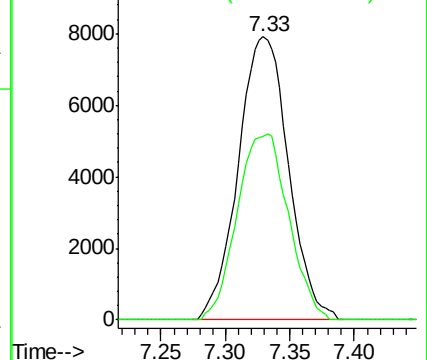


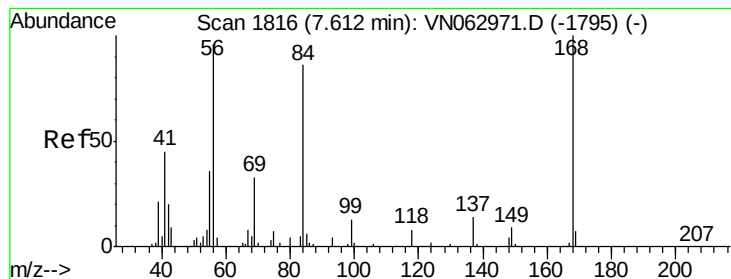
#30
Chloroform
Concen: 3.996 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 4.486 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 20888

Ion Ratio Lower Upper

56 100

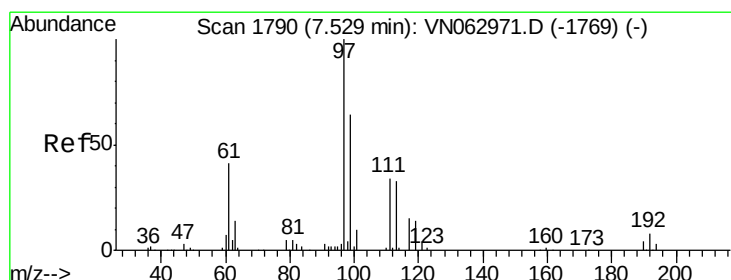
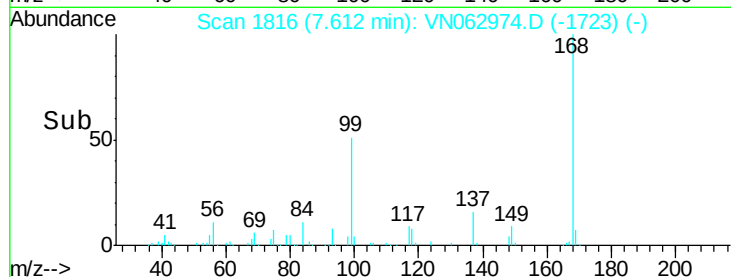
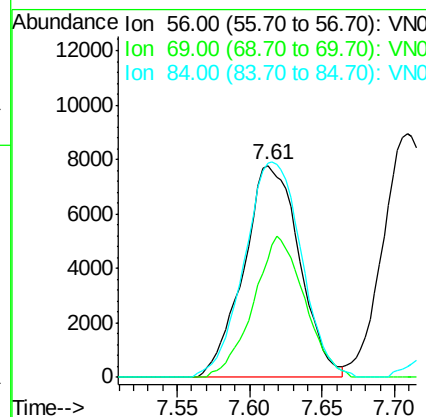
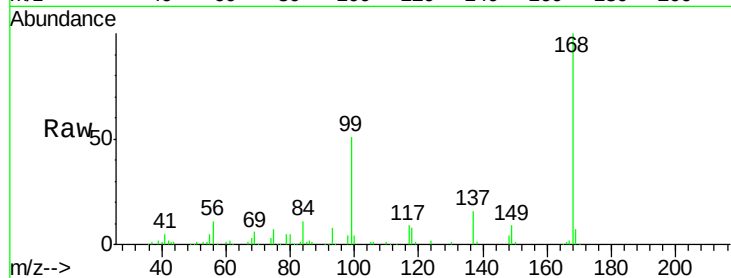
69 55.6 27.4 41.2#

84 100.9 71.3 106.9

Manual Integrations
APPROVED

MMDadoda

8/18/2020 11:12:59 AM



#32

1,1,1-Trichloroethane

Concen: 3.934 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

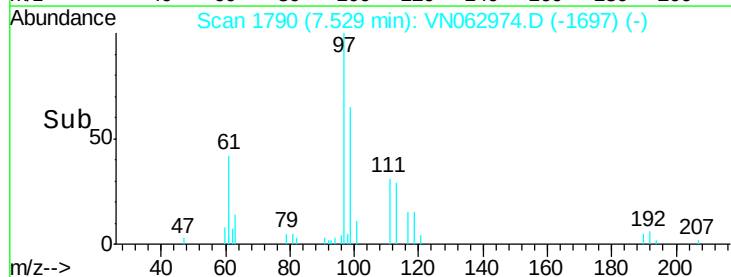
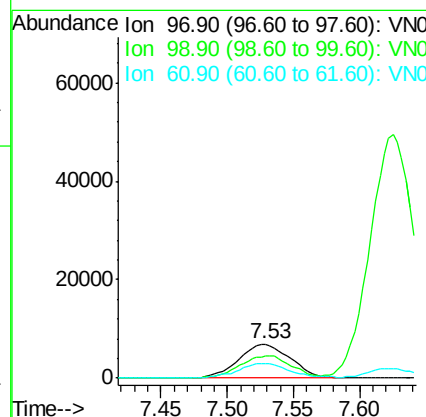
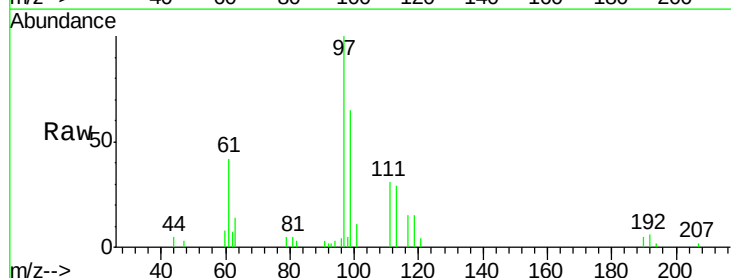
Tgt Ion: 97 Resp: 18677

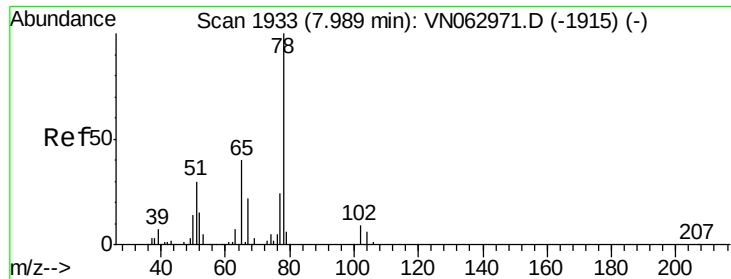
Ion Ratio Lower Upper

97 100

99 64.8 52.2 78.4

61 43.4 33.5 50.3





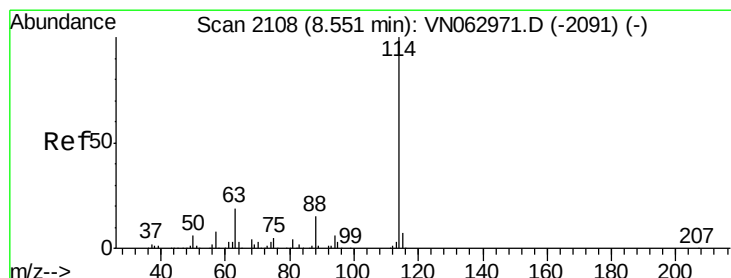
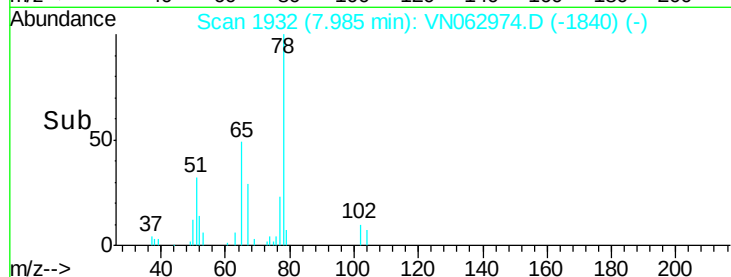
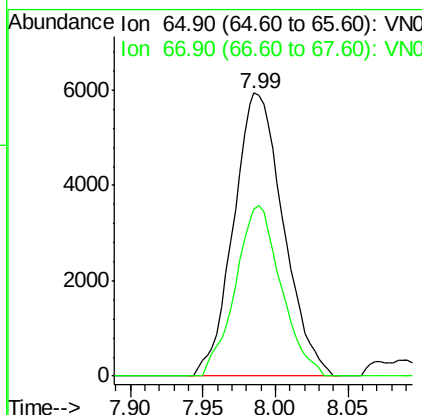
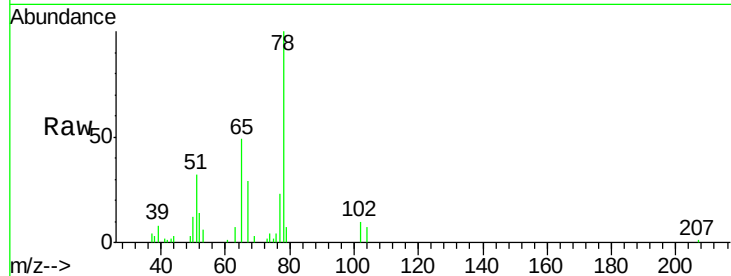
#33
 1,2-Dichloroethane-d4
 Concen: 3.812 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	108.6

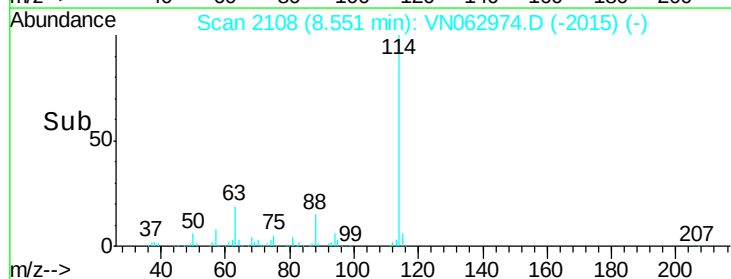
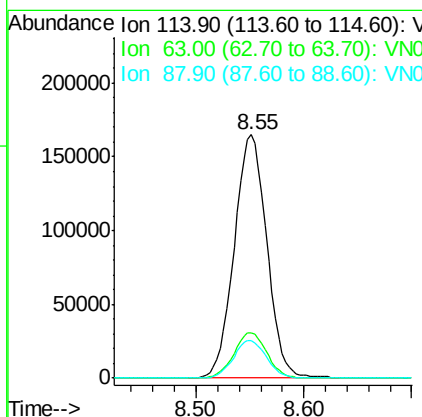
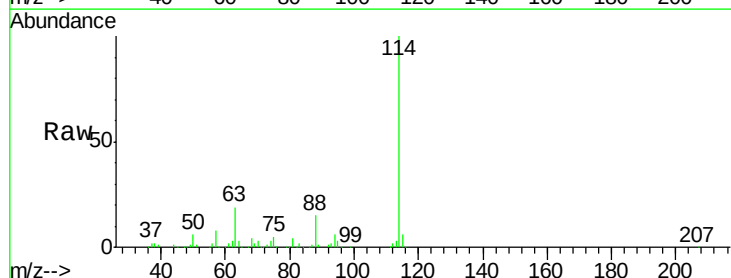
Manual Integrations
 APPROVED

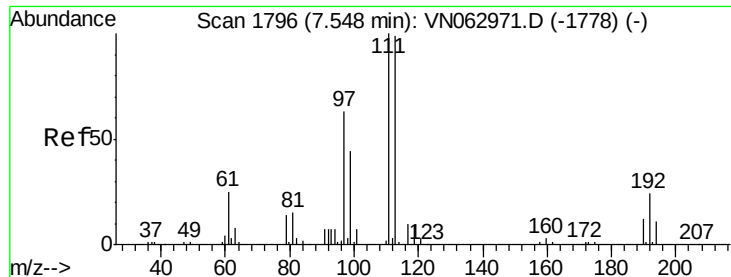
MMDadoda
 8/18/2020 11:12:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.6
88	15.4	0.0	31.0





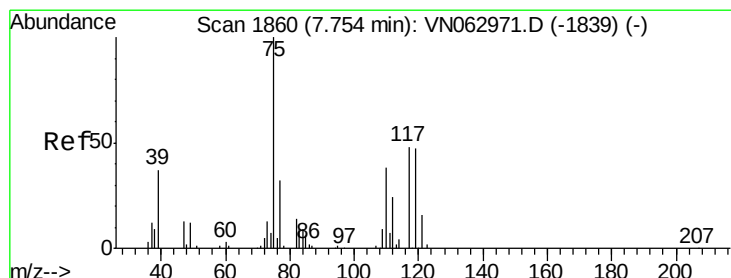
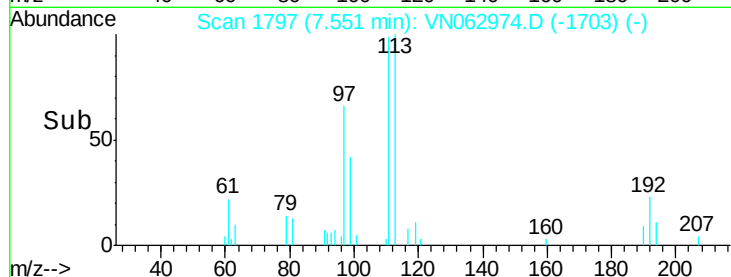
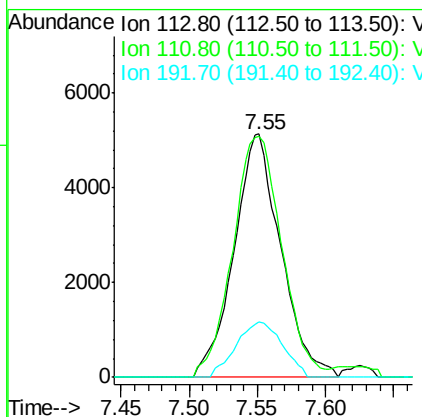
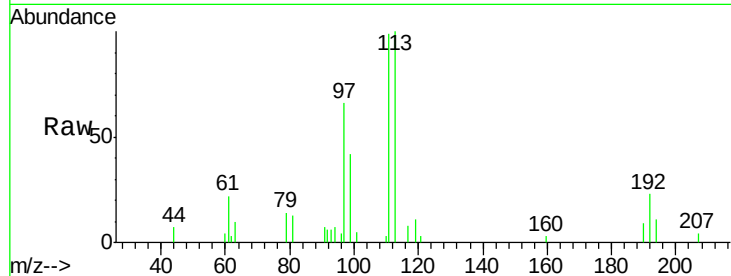
#35
 Dibromofluoromethane
 Concen: 5.185 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	12217		
111	103.7	81.4	122.0	
192	22.6	19.2	28.8	

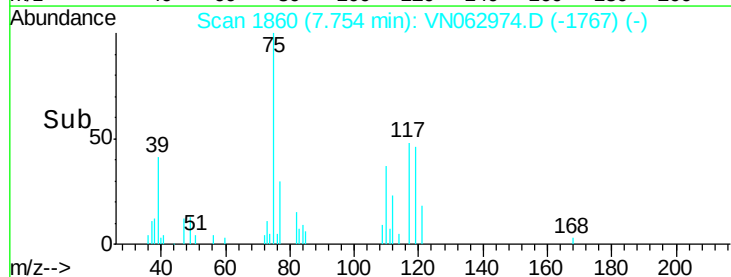
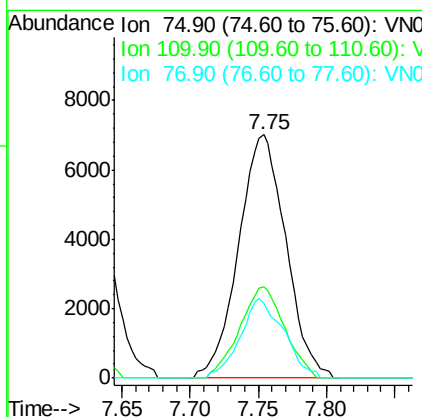
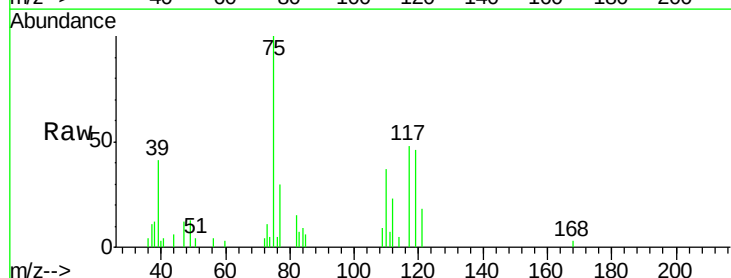
Manual Integrations
 APPROVED

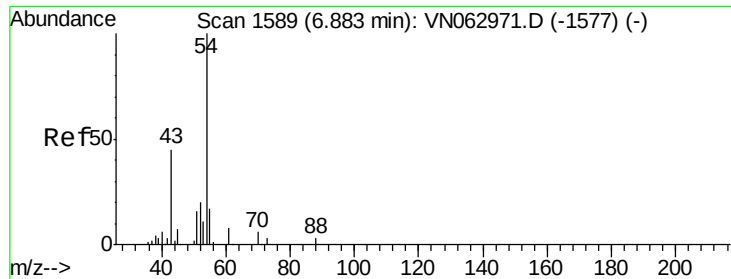
MMDadoda
 8/18/2020 11:12:59 AM



#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16860		
110	35.7	18.7	56.1	
77	29.9	25.6	38.4	





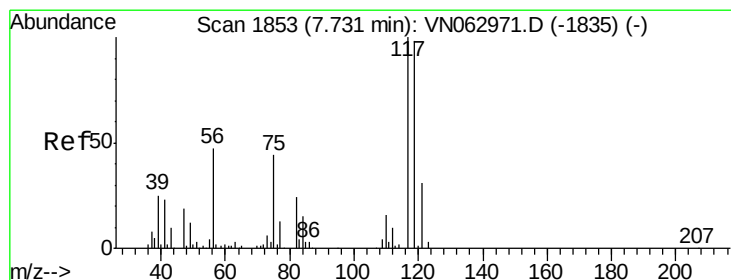
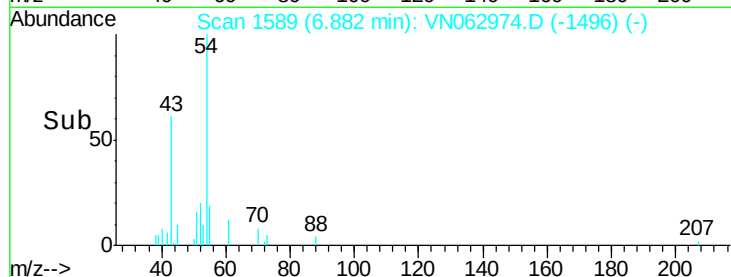
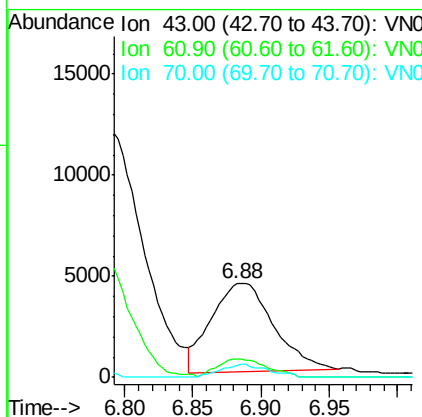
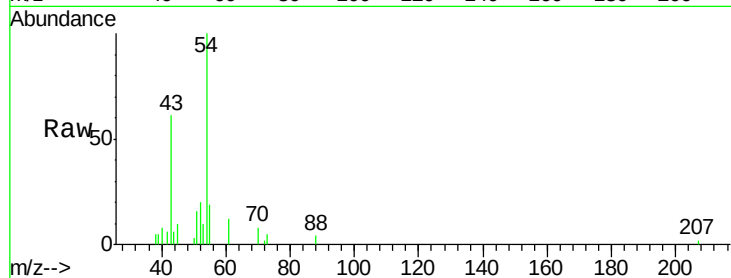
#37
Ethyl Acetate
Concen: 4.096 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.4	18.6
70	11.2	9.9	14.9

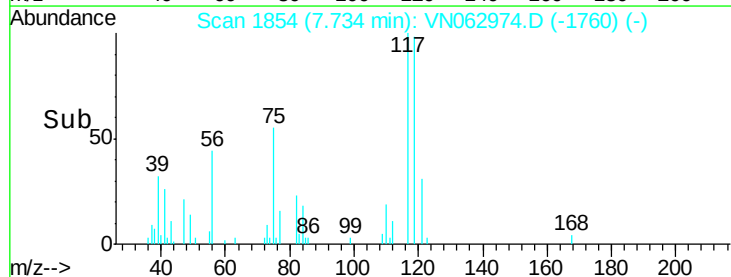
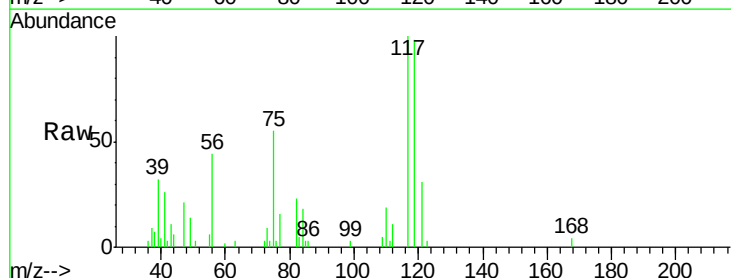
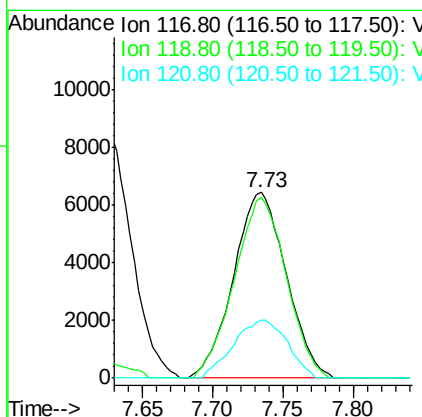
Manual Integrations
APPROVED

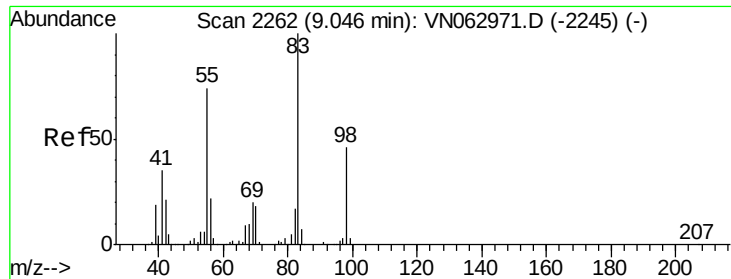
MMDadoda
8/18/2020 11:12:59 AM



#38
Carbon Tetrachloride
Concen: 4.334 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.9	116.9
121	31.1	24.8	37.2





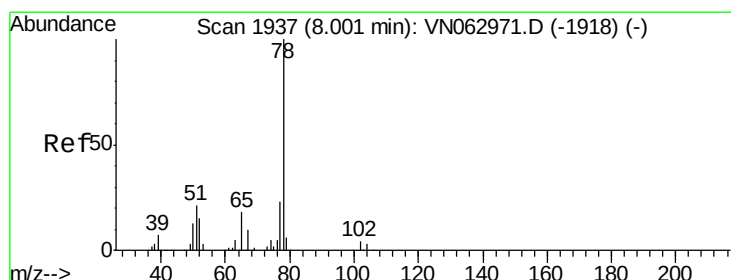
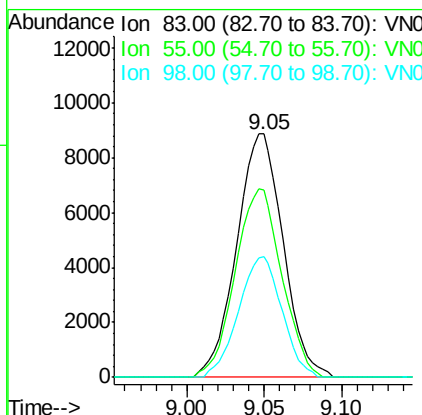
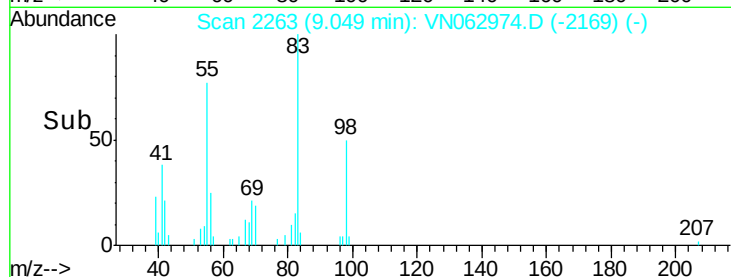
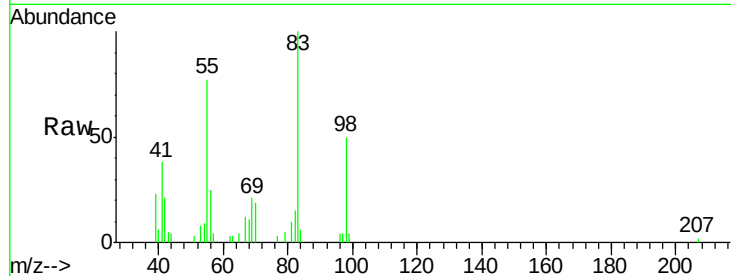
#39
Methylvlcyclohexane
Concen: 4.573 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.0	88.6
98	49.7	36.8	55.2

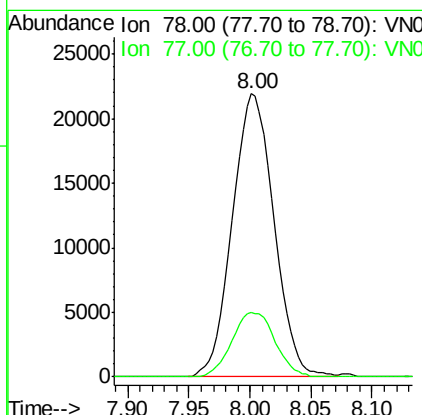
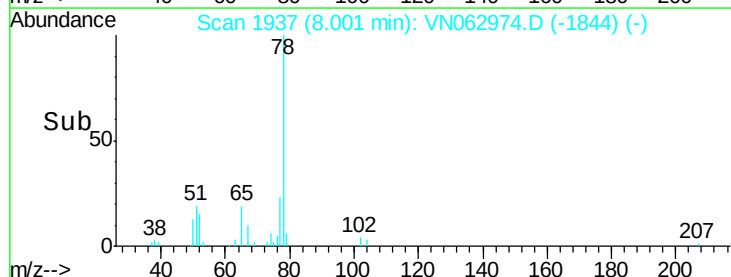
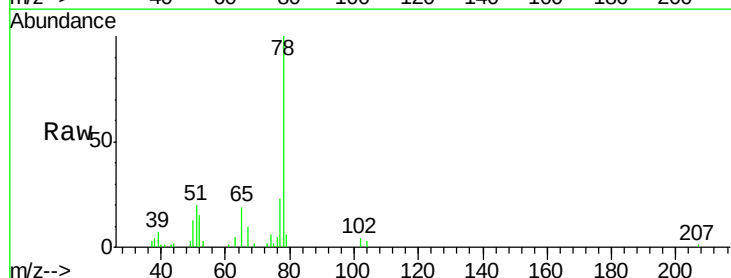
Manual Integrations
APPROVED

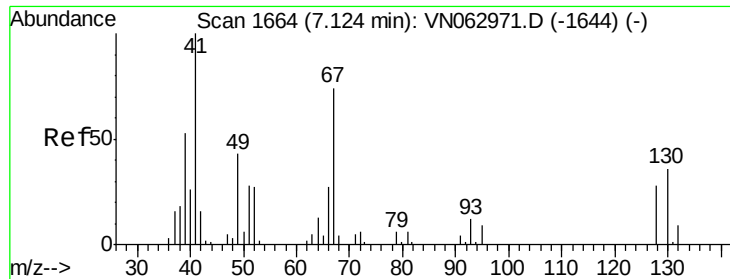
MMDadoda
8/18/2020 11:12:59 AM



#40
Benzene
Concen: 5.183 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	27.8





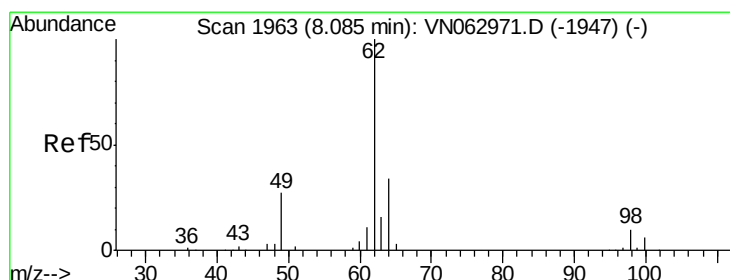
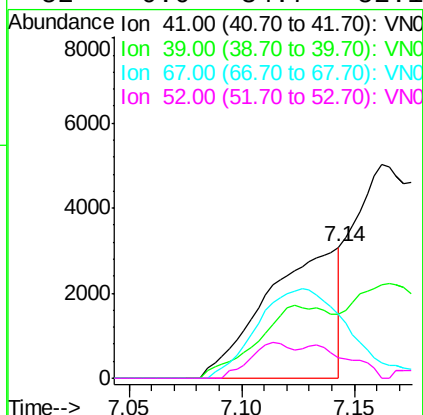
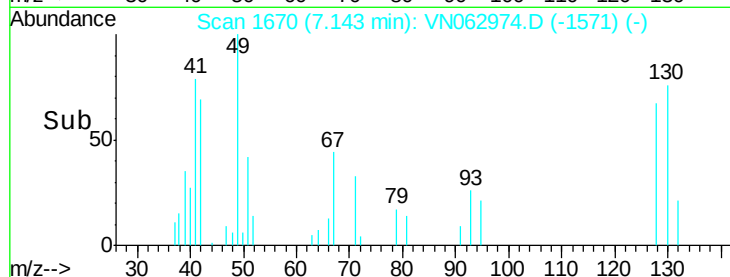
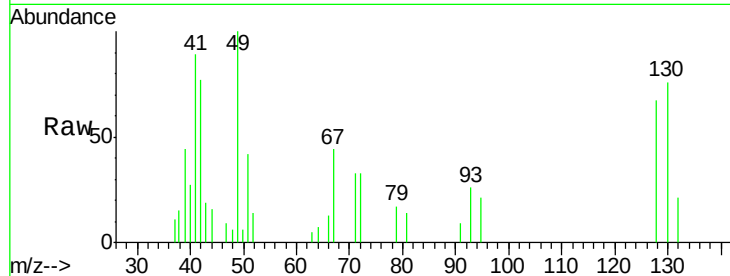
#41
Methacrylonitrile
Concen: 4.580 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.02 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	91.6	58.6	88.0#
67	0.0	90.1	135.1#
52	0.0	34.7	52.1#

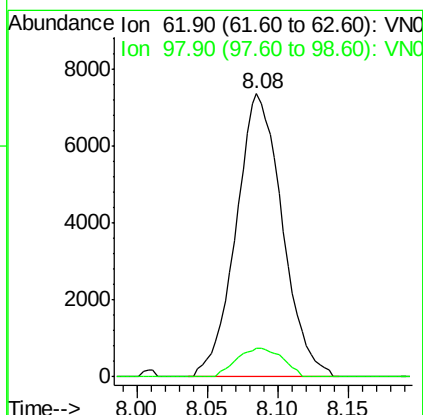
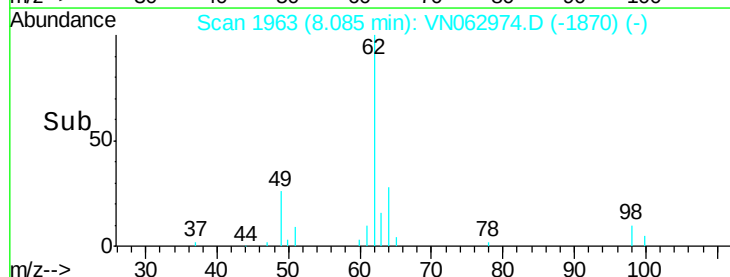
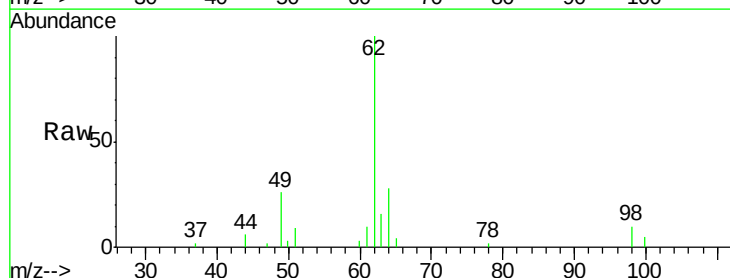
Manual Integrations
APPROVED

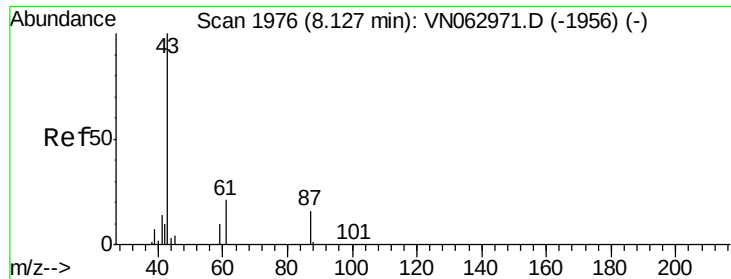
MMDadoda
8/18/2020 11:12:59 AM



#42
1,2-Dichloroethane
Concen: 4.126 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.8





#43

Isopropyl Acetate

Concen: 3.912 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

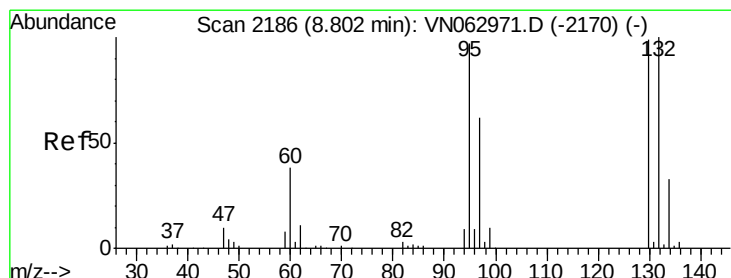
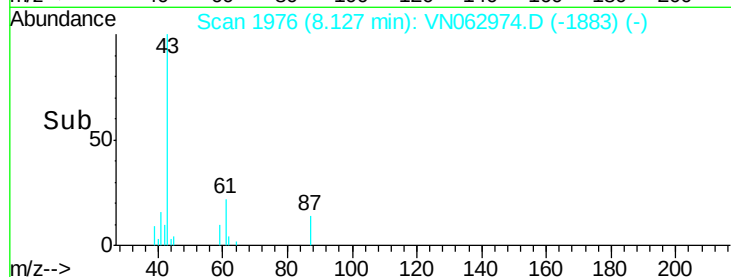
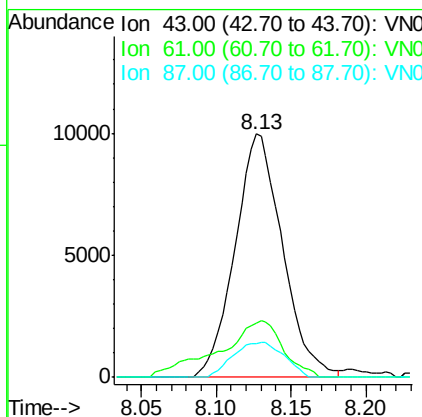
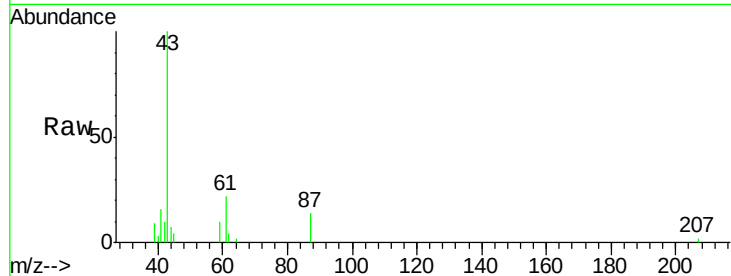
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	22040
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.6	36.8
87	15.5	12.4	18.6

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM



#44

Trichloroethene

Concen: 5.641 ug/l

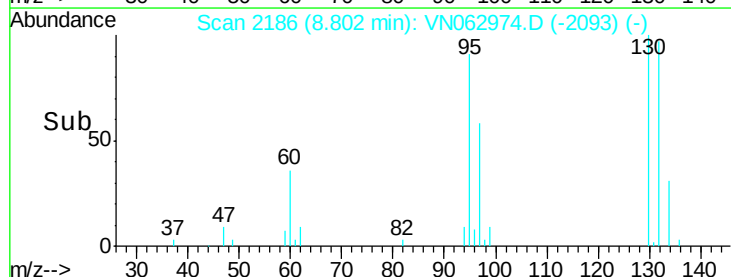
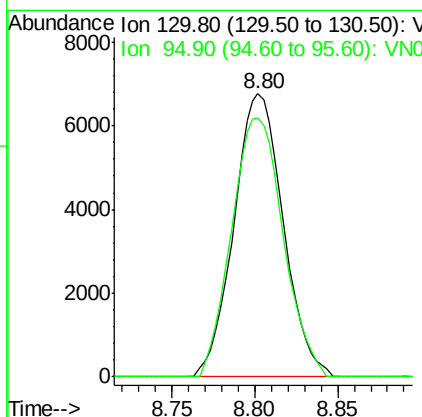
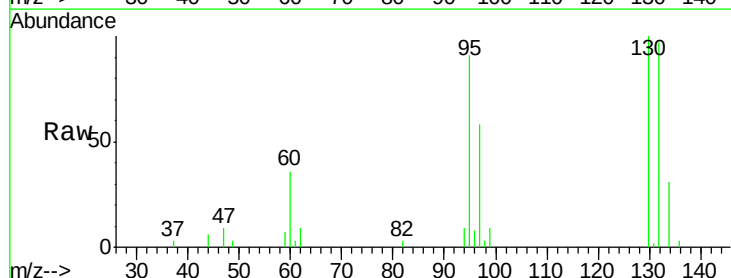
RT: 8.80 min Scan# 2186

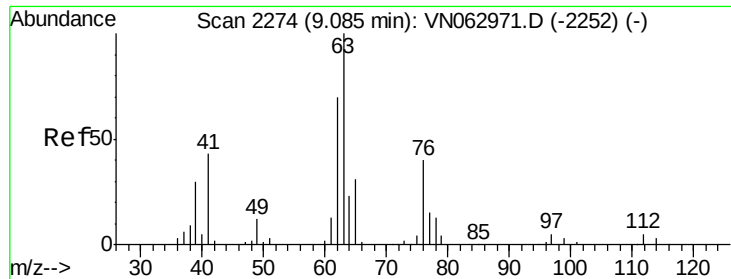
Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Tgt Ion:	130	Resp:	13989
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	194.2





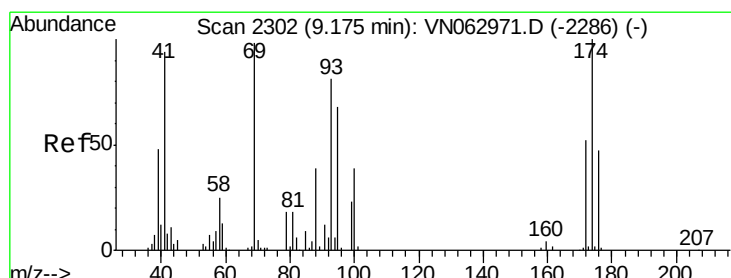
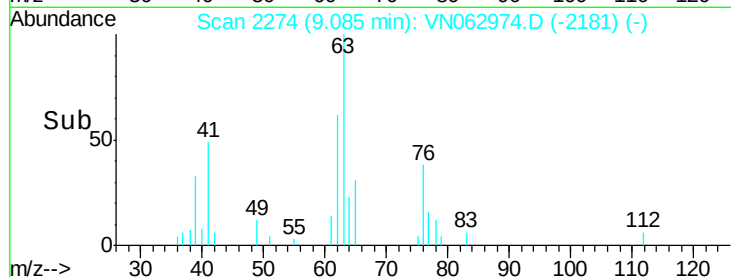
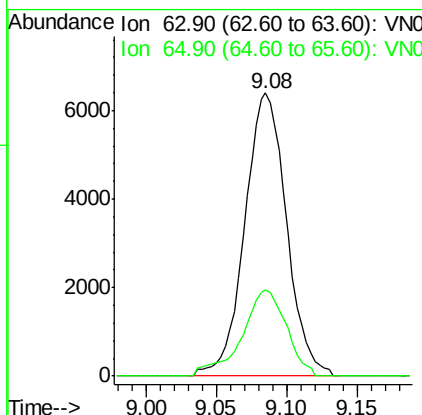
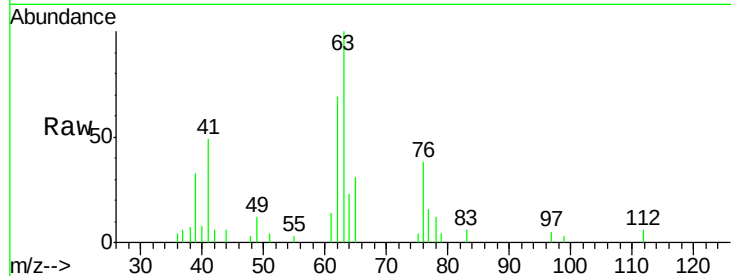
#45
 1,2-Dichloropropane
 Concen: 4.931 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 13256
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1

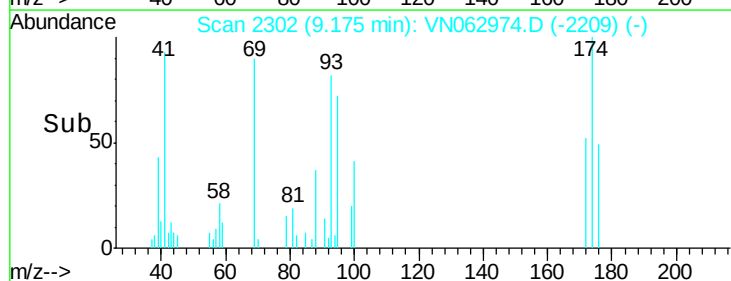
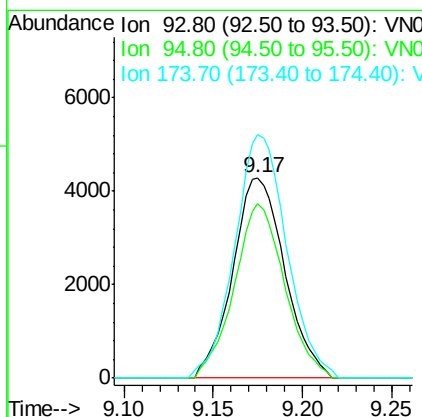
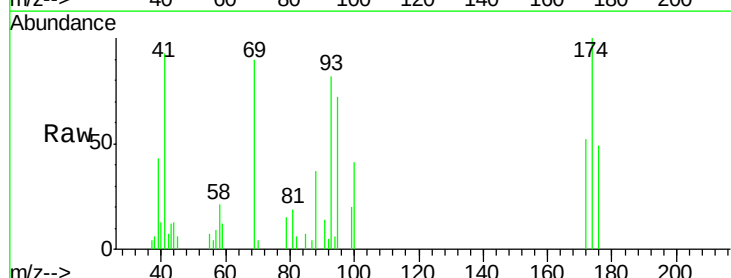
Manual Integrations
 APPROVED

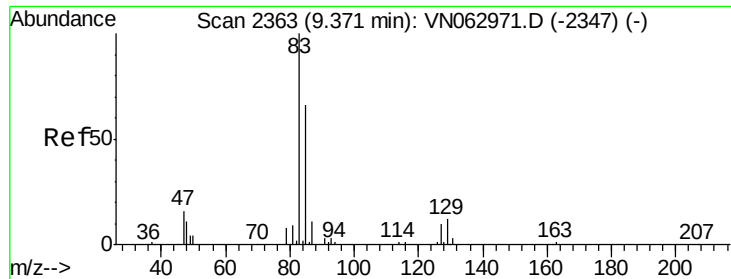
MMDadoda
 8/18/2020 11:12:59 AM



#46
 Dibromomethane
 Concen: 4.957 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion: 93 Resp: 8739
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 99.8
 174 121.9 96.6 145.0





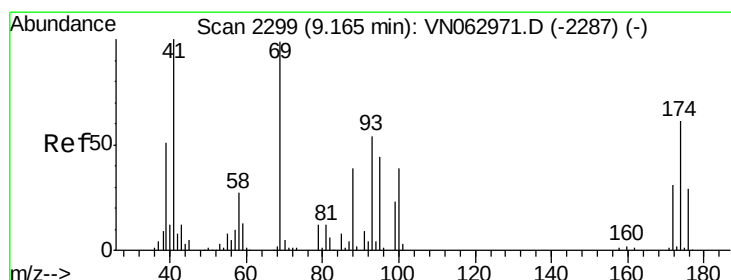
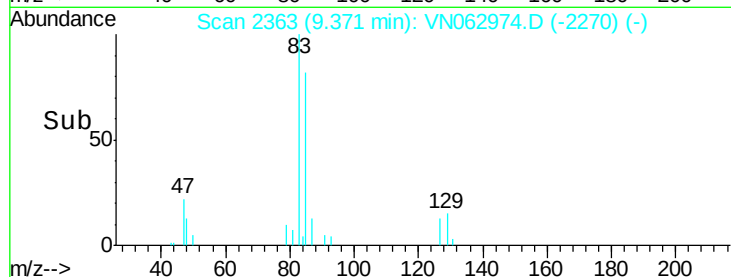
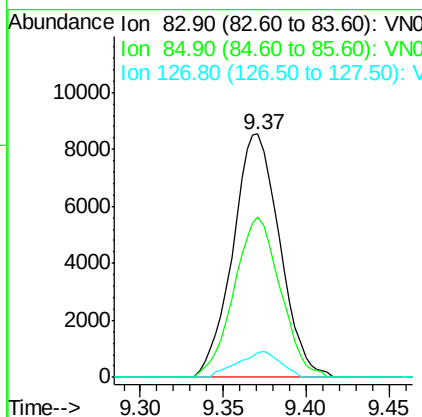
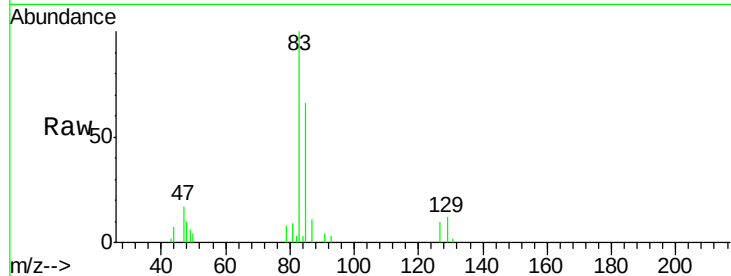
#47
Bromodichloromethane
Concen: 4.326 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	83	Resp:	16856
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6
127	10.1	7.8	11.6

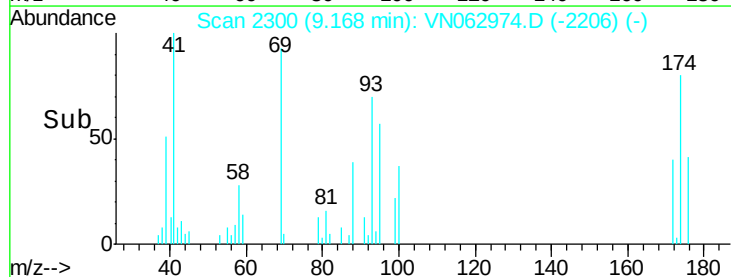
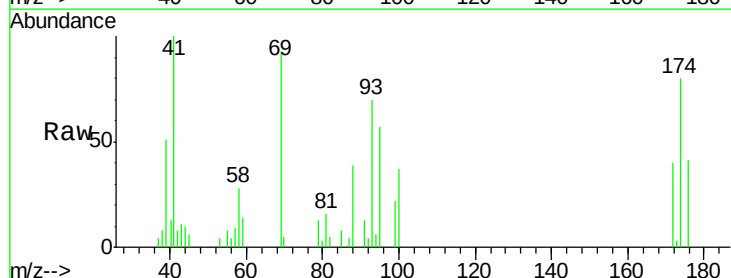
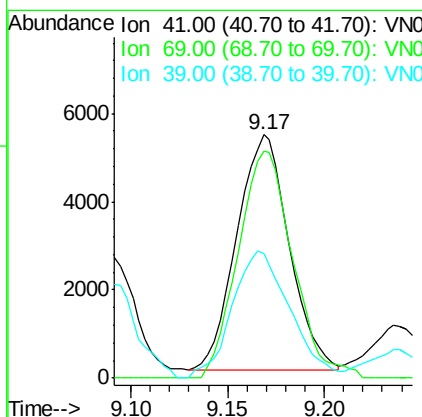
Manual Integrations
APPROVED

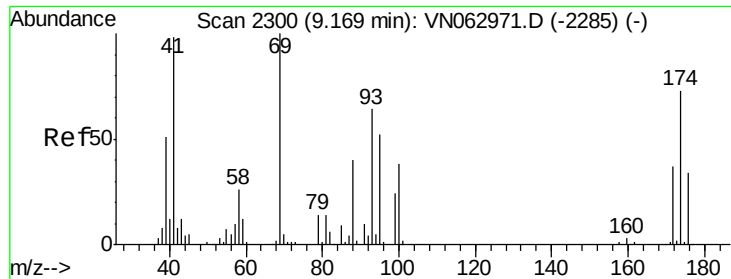
MMDadoda
8/18/2020 11:12:59 AM



#48
Methyl methacrylate
Concen: 3.636 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion:	41	Resp:	10043
Ion	Ratio	Lower	Upper
41	100		
69	100.7	81.1	121.7
39	59.2	42.4	63.6





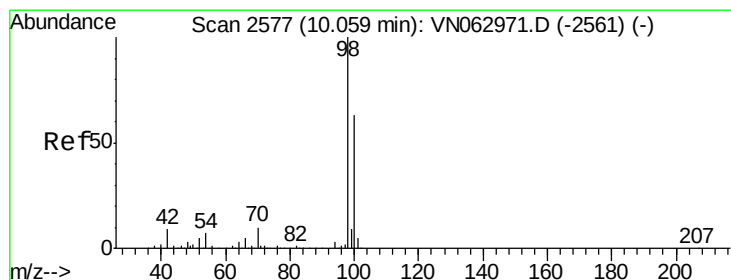
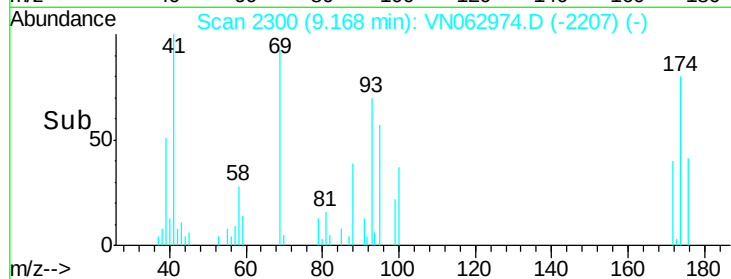
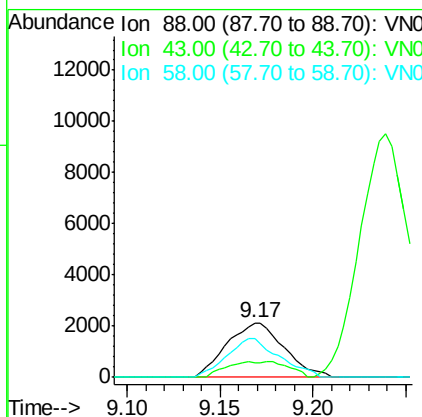
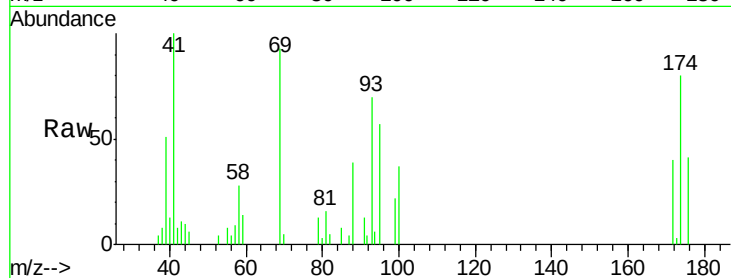
#49
 1,4-Dioxane
 Concen: 87.733 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.1	34.7
58	65.4	53.1	79.7

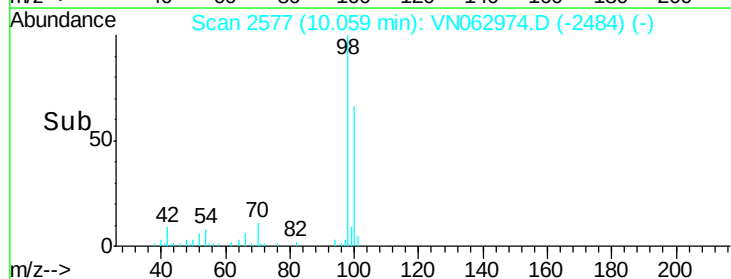
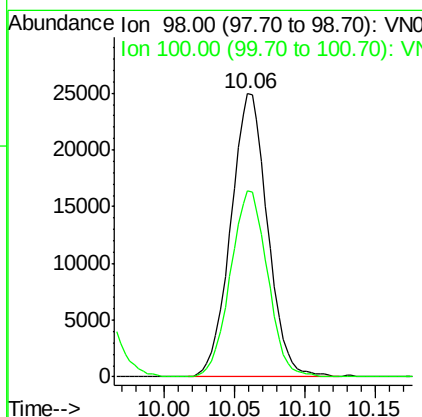
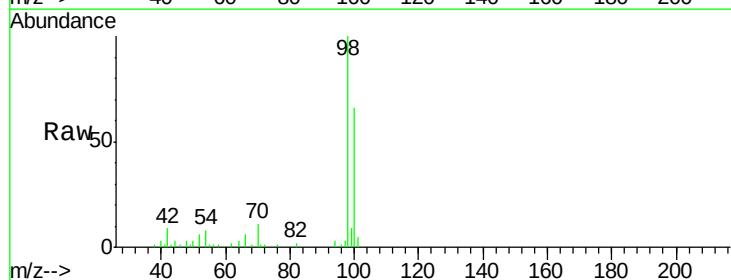
Manual Integrations
 APPROVED

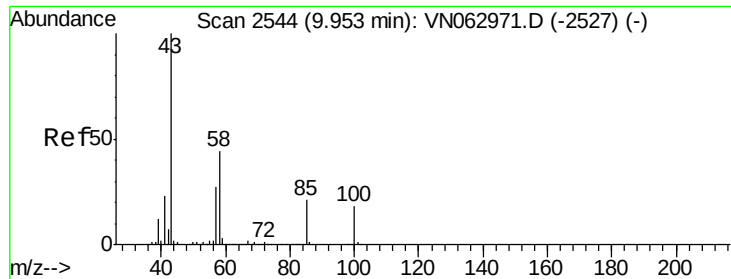
MMDadoda
 8/18/2020 11:12:59 AM



#50
 Toluene-d8
 Concen: 4.947 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 19.425 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 70682

Ion Ratio Lower Upper

43 100

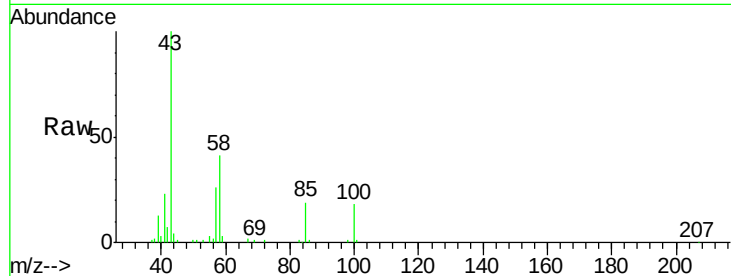
58 40.0 34.3 51.5

Manual Integrations

APPROVED

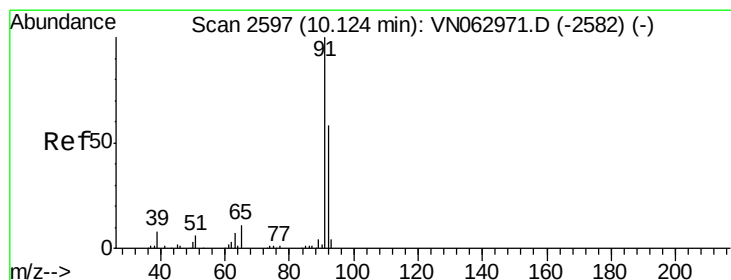
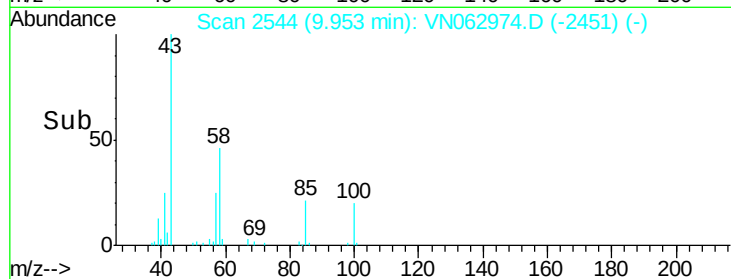
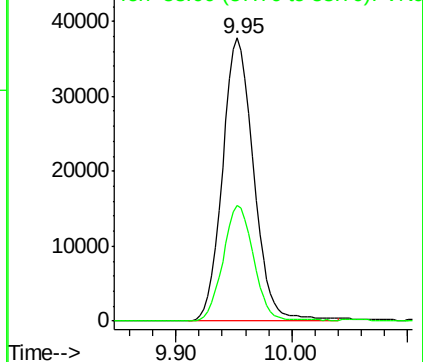
MMDadoda

8/18/2020 11:12:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.045 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062974.D

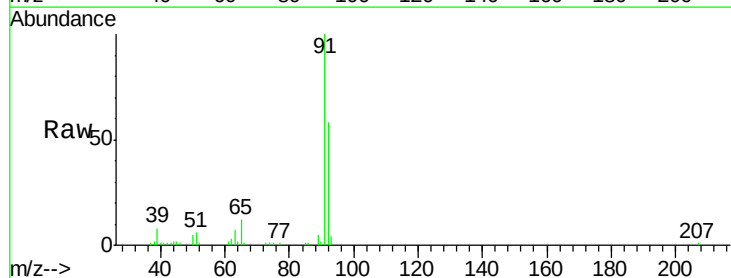
Acq: 17 Aug 2020 16:20

Tgt Ion: 92 Resp: 31242

Ion Ratio Lower Upper

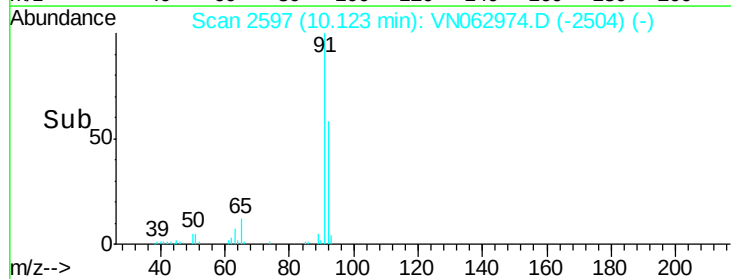
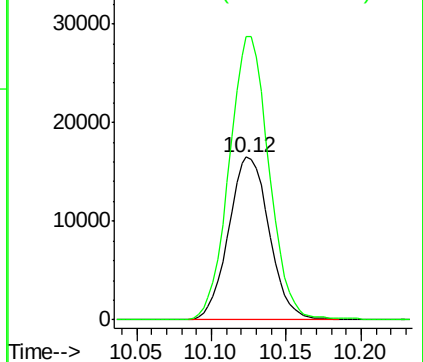
92 100

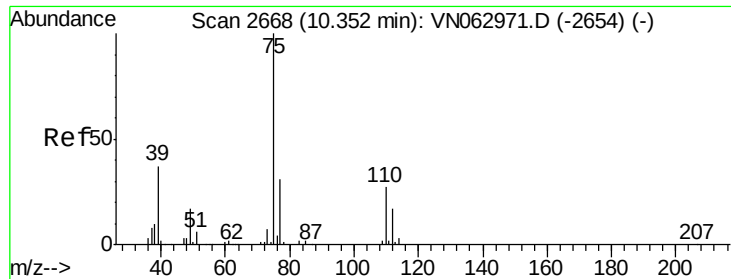
91 170.3 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





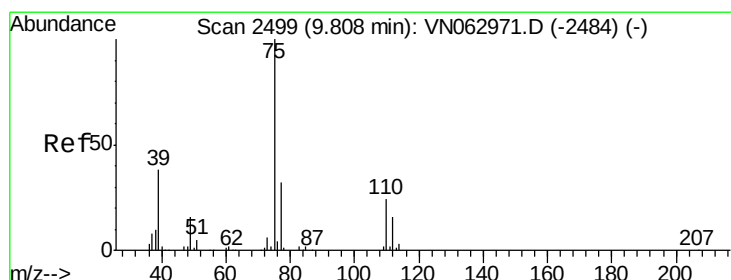
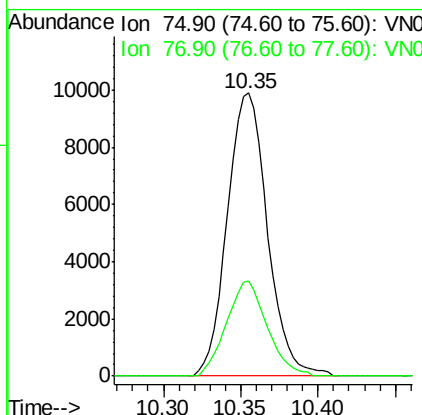
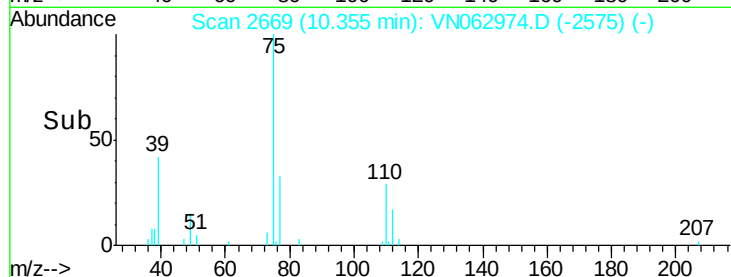
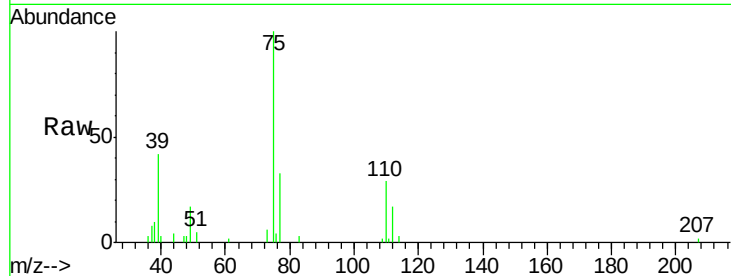
#53
t-1,3-Dichloropropene
Concen: 4.173 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 17814
Ion Ratio Lower Upper
75 100
77 33.5 25.0 37.4

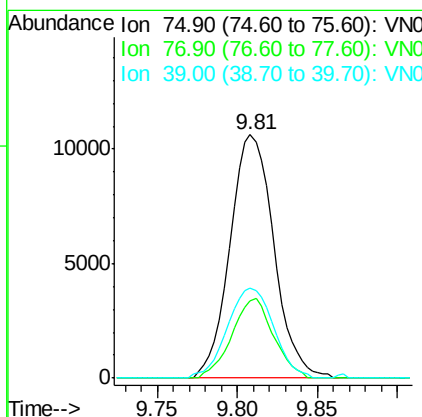
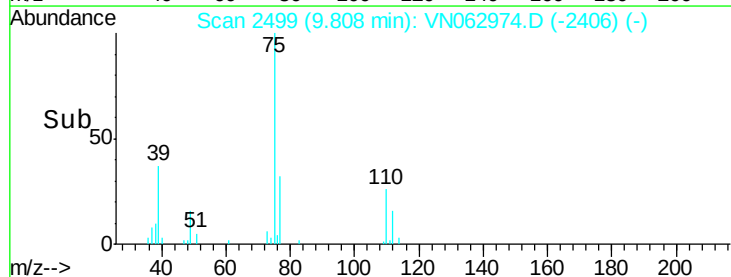
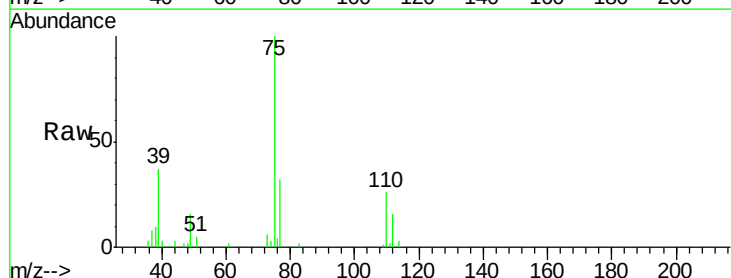
Manual Integrations
APPROVED

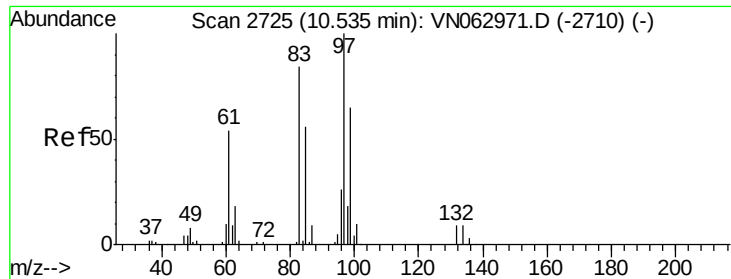
MMDadoda
8/18/2020 11:12:59 AM



#54
cis-1,3-Dichloropropene
Concen: 4.565 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion: 75 Resp: 19881
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 36.9 30.6 46.0





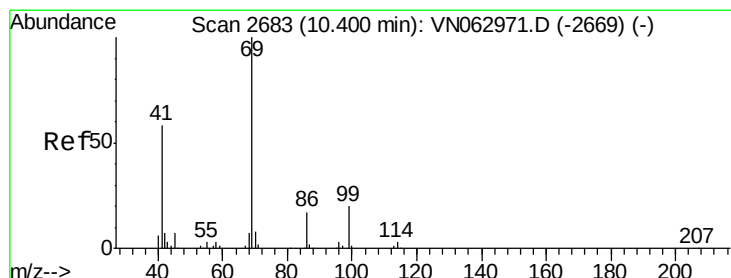
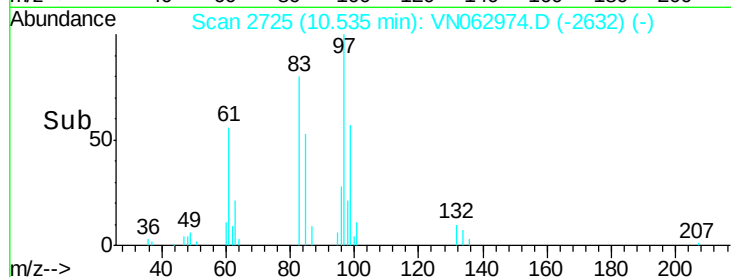
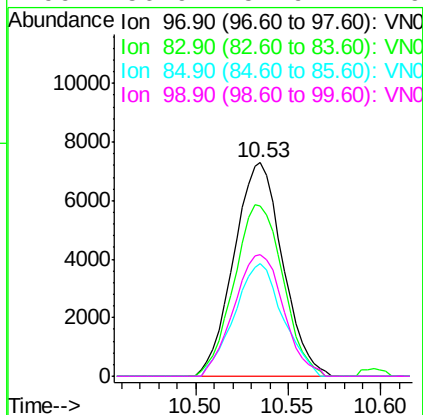
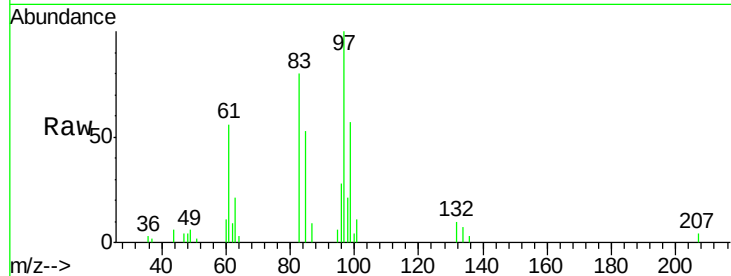
#55
 1,1,2-Trichloroethane
 Concen: 5.015 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	13301
Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.0	100.4
85	52.8	44.4	66.6
99	56.9	51.9	77.9

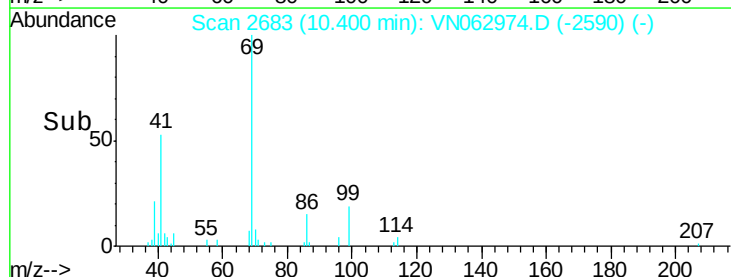
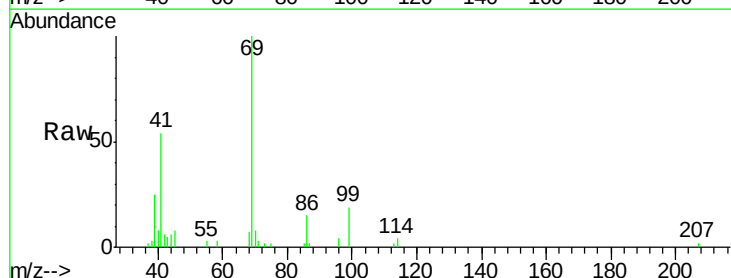
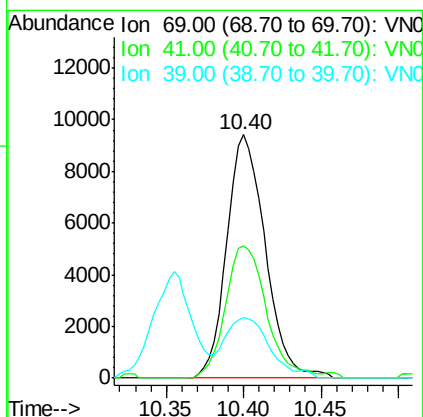
Manual Integrations
 APPROVED

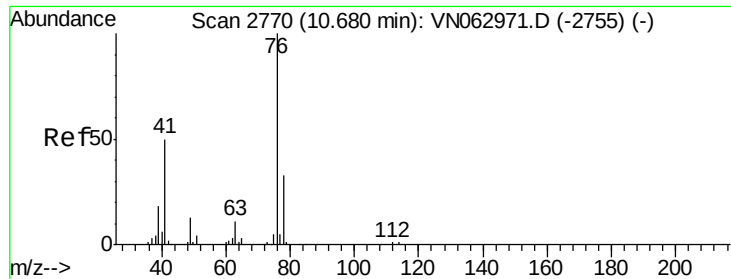
MMDadoda
 8/18/2020 11:12:59 AM



#56
 Ethyl methacrylate
 Concen: 4.189 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion:	69	Resp:	16280
Ion	Ratio	Lower	Upper
69	100		
41	58.2	46.0	69.0
39	28.9	23.4	35.0





#57

1,3-Dichloropropane

Concen: 4.451 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 19728

Ion Ratio Lower Upper

76 100

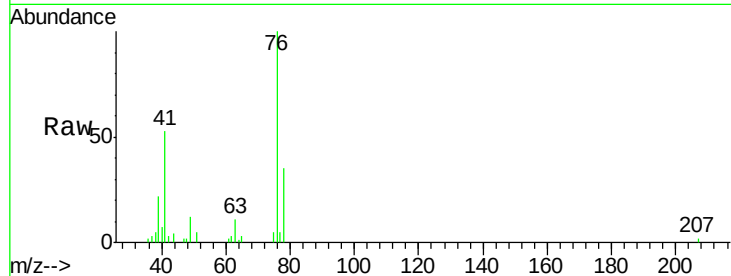
78 34.8 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:12:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

12000

10000

8000

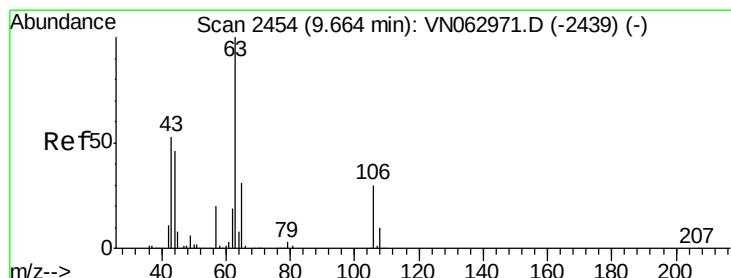
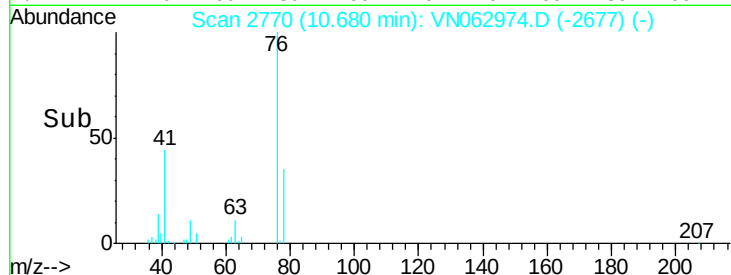
6000

4000

2000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 15.528 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN062974.D

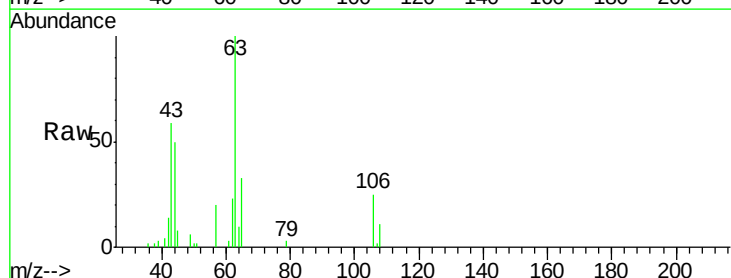
Acq: 17 Aug 2020 16:20

Tgt Ion: 63 Resp: 16701

Ion Ratio Lower Upper

63 100

106 27.7 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

10000

8000

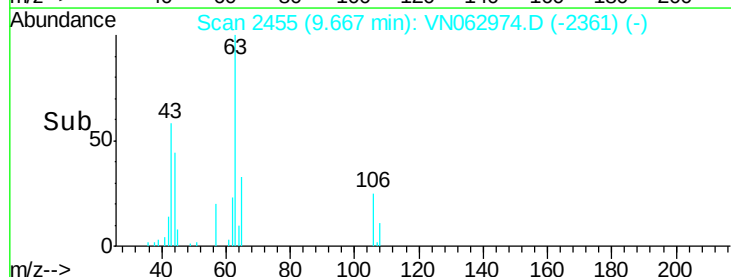
6000

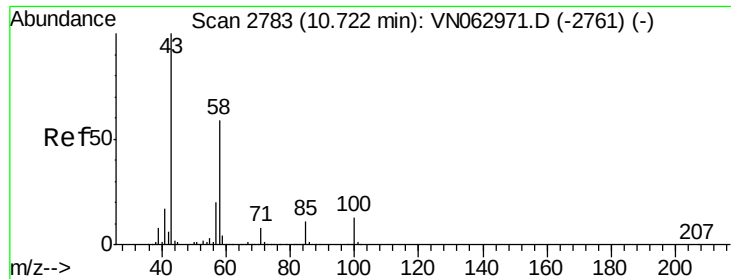
4000

2000

0

Time--> 9.60 9.65 9.70





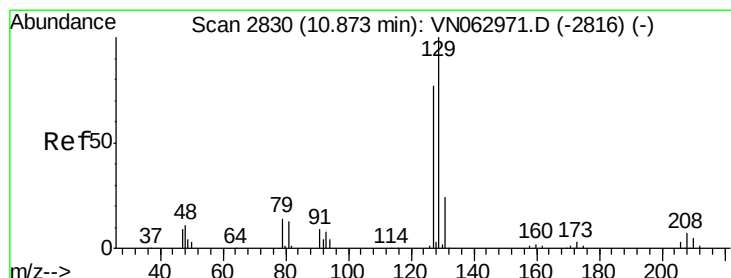
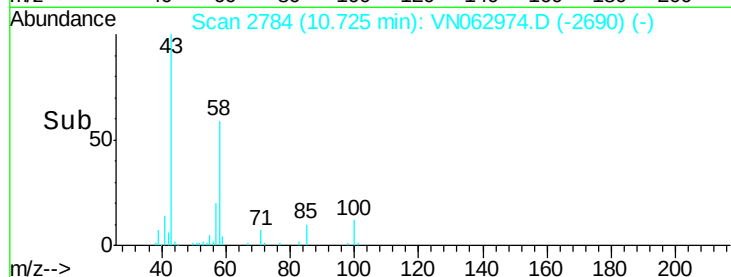
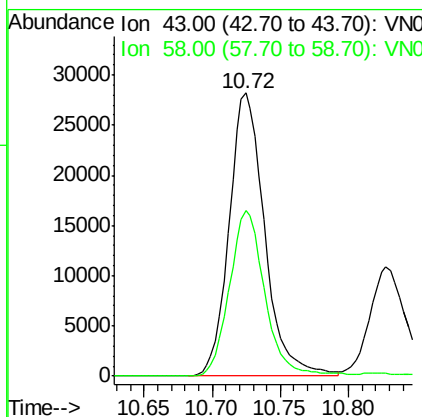
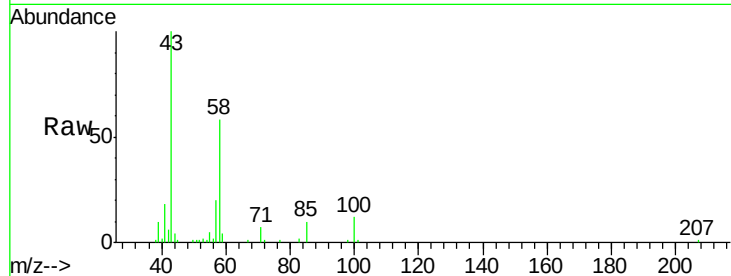
#59
2-Hexanone
Concen: 18.912 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 51064
Ion Ratio Lower Upper
43 100
58 57.5 29.5 88.5

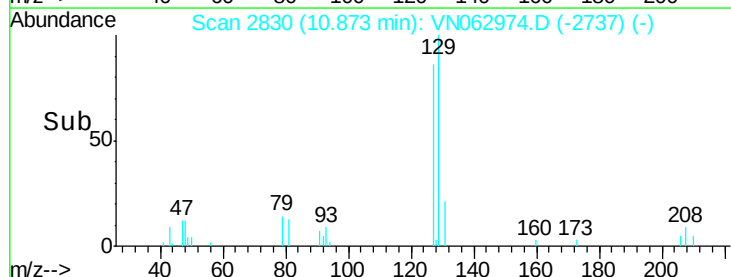
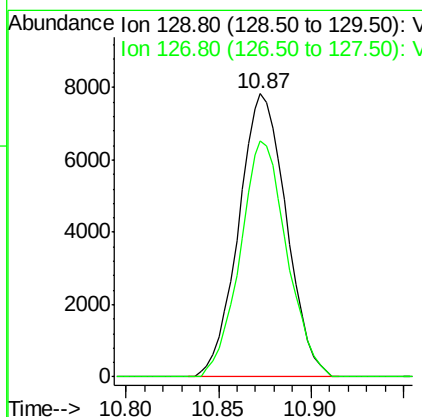
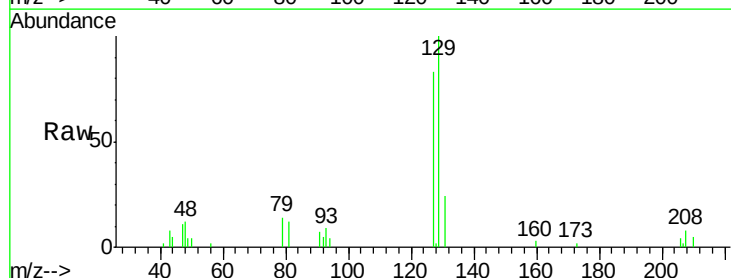
Manual Integrations
APPROVED

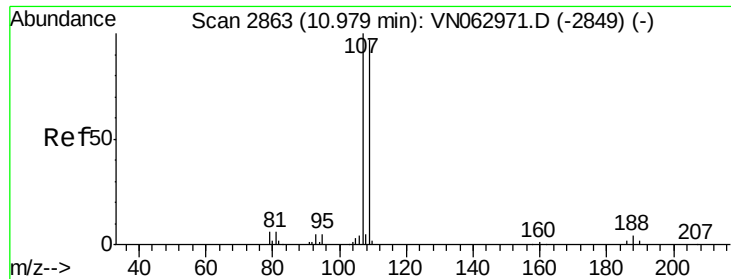
MMDadoda
8/18/2020 11:12:59 AM



#60
Dibromochloromethane
Concen: 4.667 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion: 129 Resp: 14012
Ion Ratio Lower Upper
129 100
127 81.4 38.4 115.2





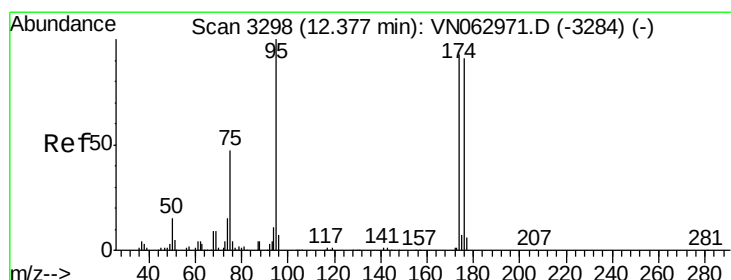
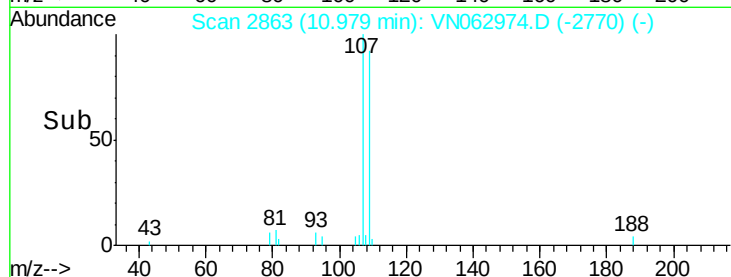
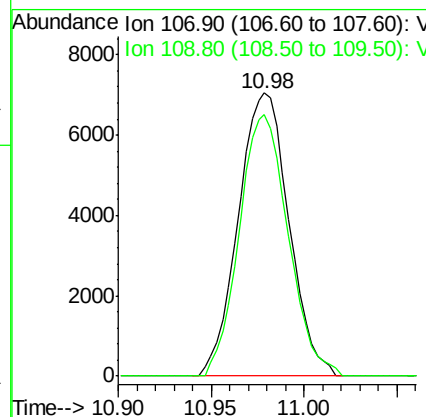
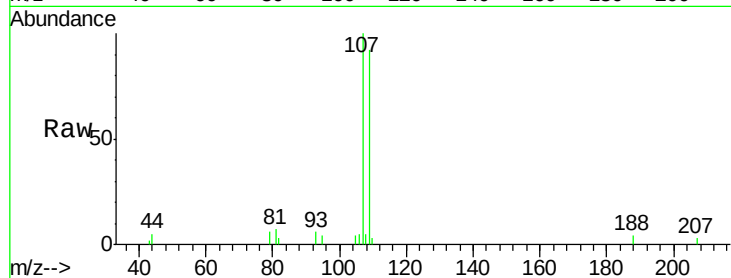
#61
 1,2-Dibromoethane
 Concen: 5.114 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.3	76.6	115.0

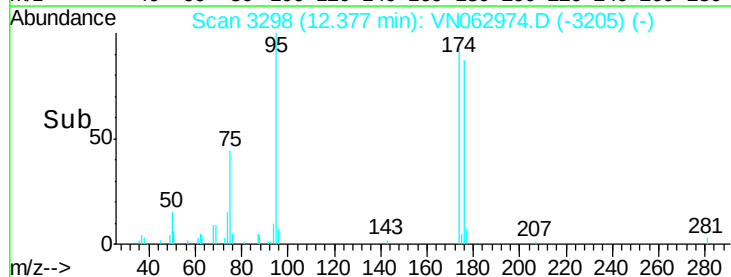
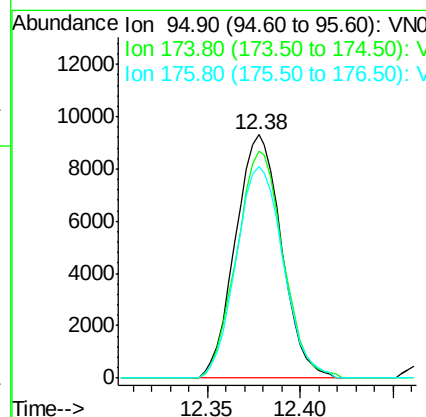
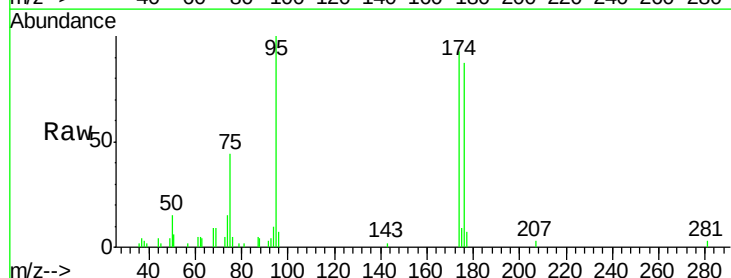
Manual Integrations
 APPROVED

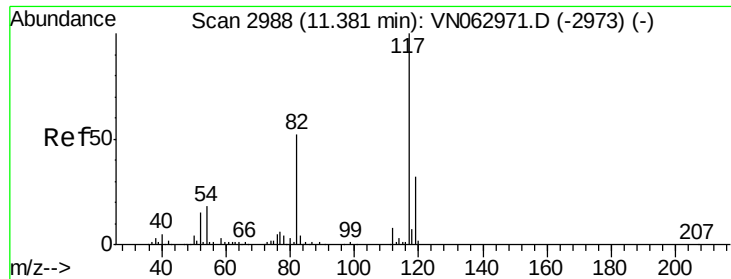
MMDadoda
 8/18/2020 11:12:59 AM



#62
 4-Bromofluorobenzene
 Concen: 4.671 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	185.2
176	89.3	0.0	178.8





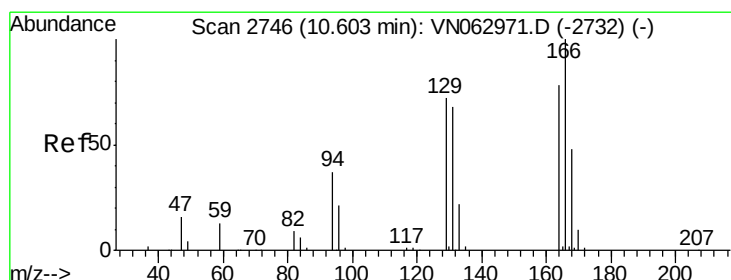
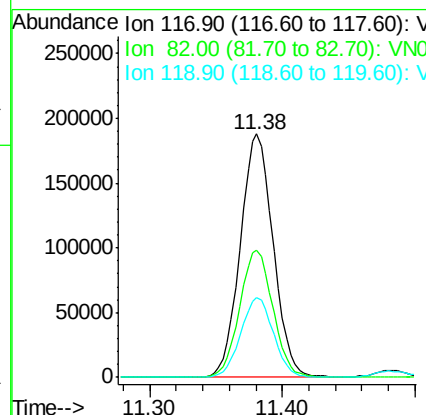
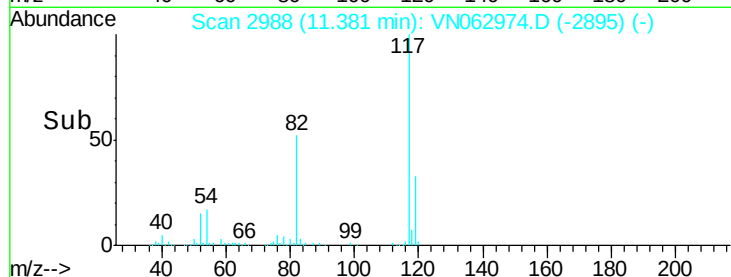
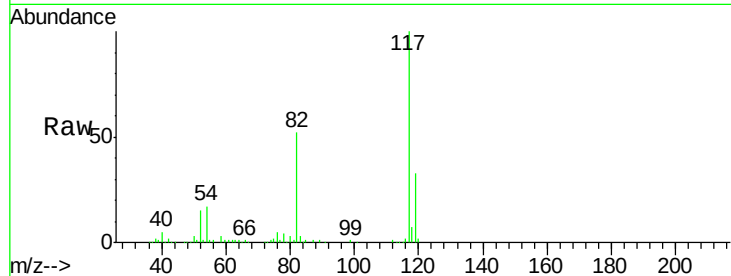
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	323791		
82	52.4		41.3	61.9
119	33.0		25.8	38.8

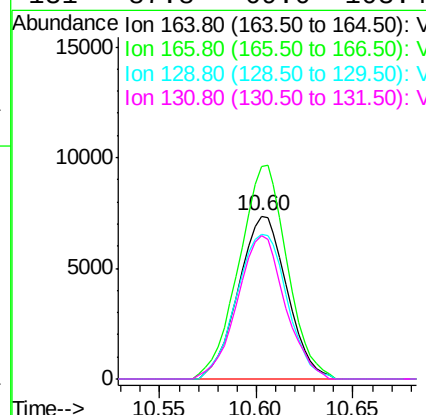
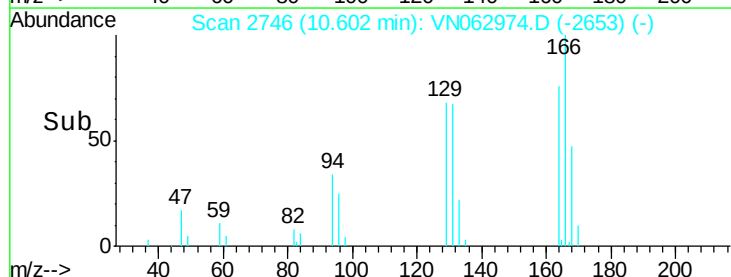
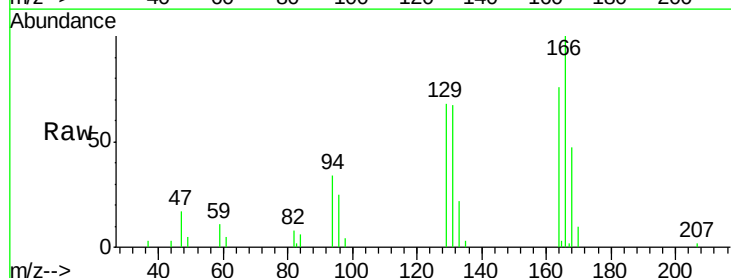
Manual Integrations
APPROVED

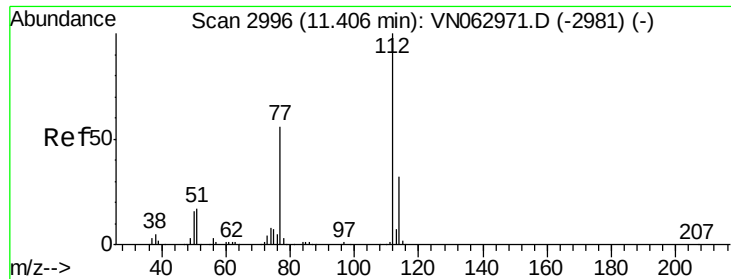
MMDadoda
8/18/2020 11:12:59 AM



#64
Tetrachloroethene
Concen: 6.076 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	12869		
166	130.7		101.9	152.9
129	88.7		73.1	109.7
131	87.8		69.0	103.4





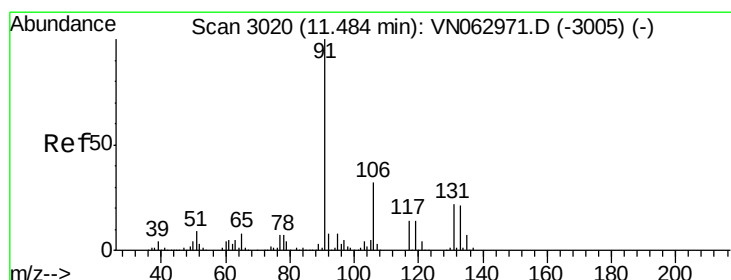
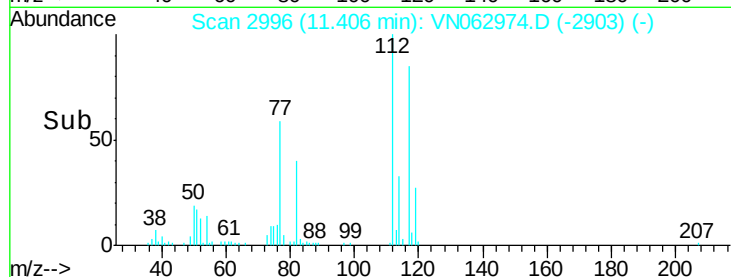
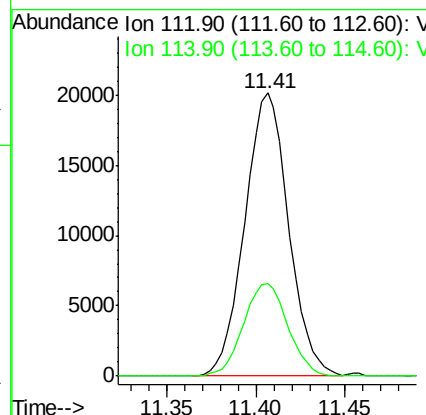
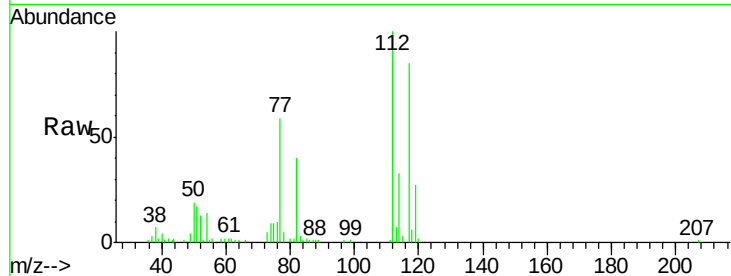
#65
Chlorobenzene
Concen: 5.117 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.2

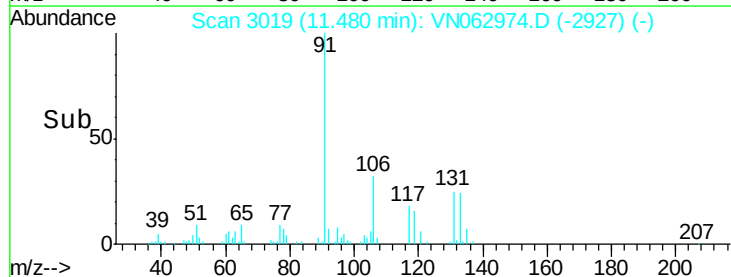
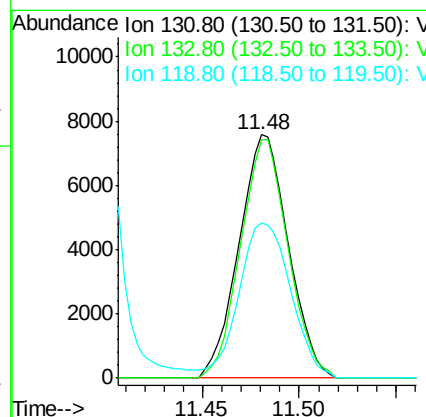
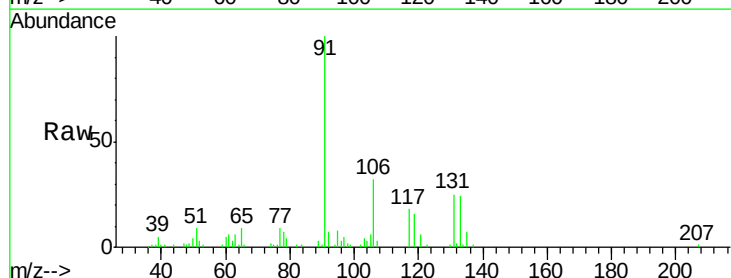
Manual Integrations
APPROVED

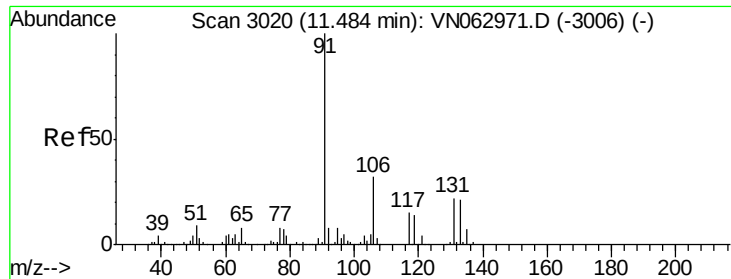
MMDadoda
8/18/2020 11:12:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.002 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.8	143.4
119	67.2	32.4	97.0





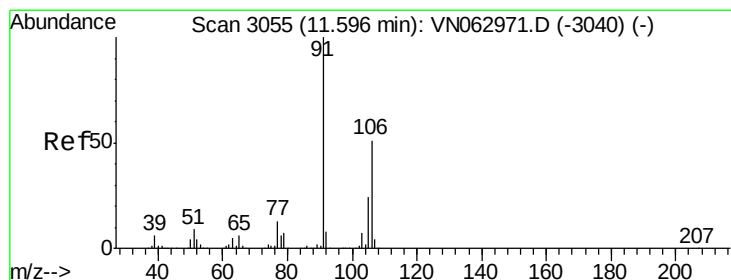
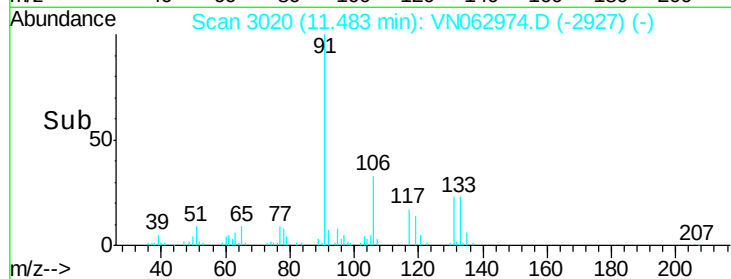
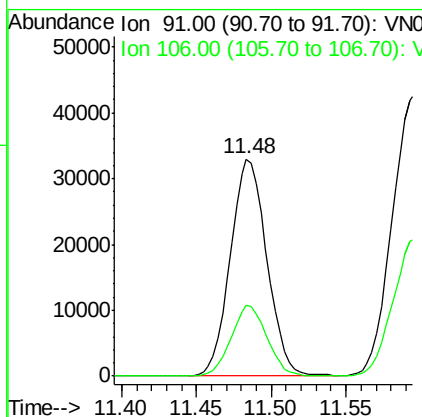
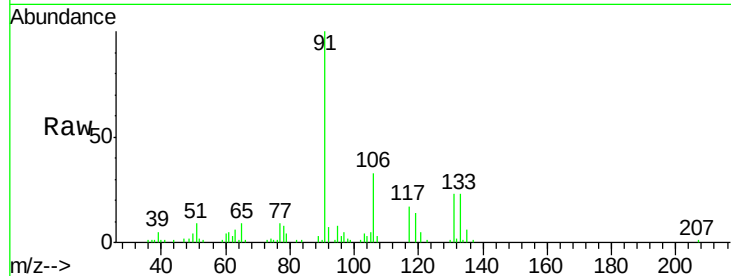
#67
Ethyl Benzene
Concen: 4.722 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		56157		
106	32.5	25.9	38.9		

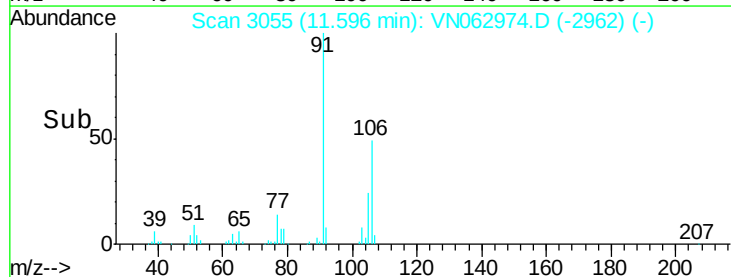
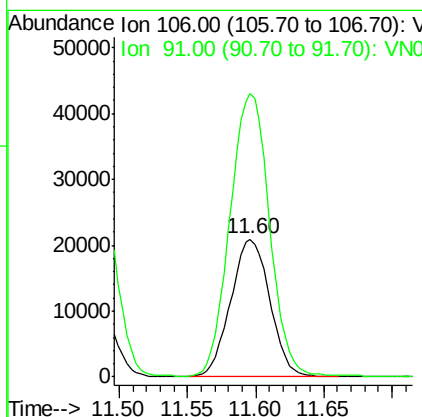
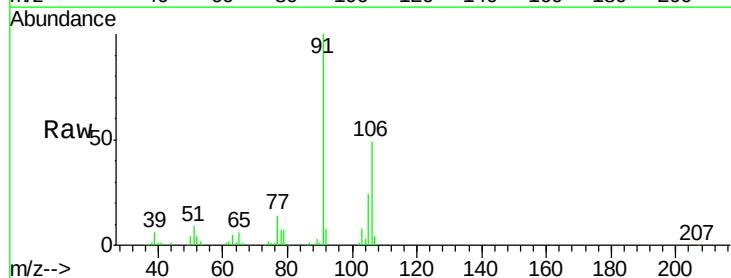
Manual Integrations
APPROVED

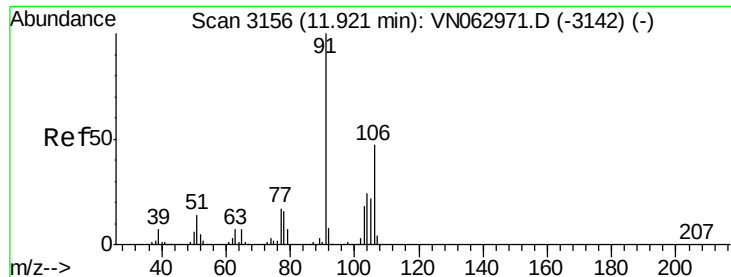
MMDadoda
8/18/2020 11:12:59 AM



#68
m/p-Xylenes
Concen: 9.584 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		41781		
91	208.0	158.7	238.1		





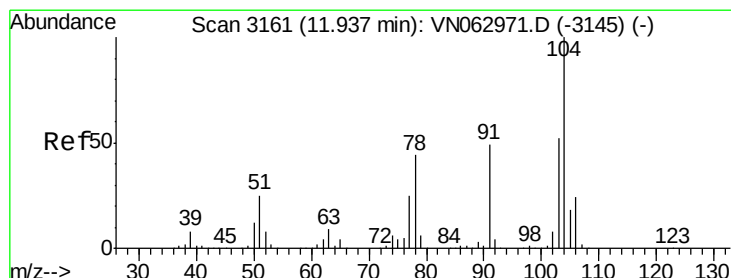
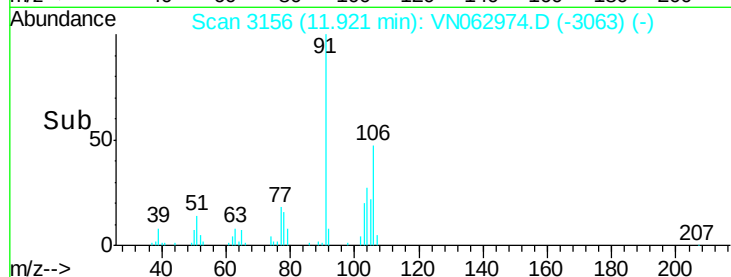
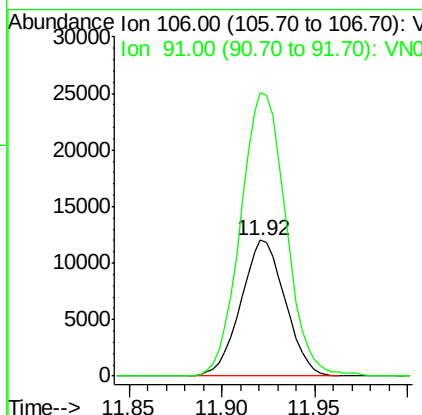
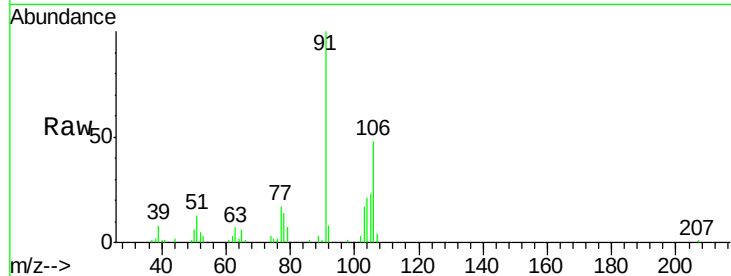
#69
o-Xylene
Concen: 4.881 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		19896		
91	213.6	106.3	318.8		

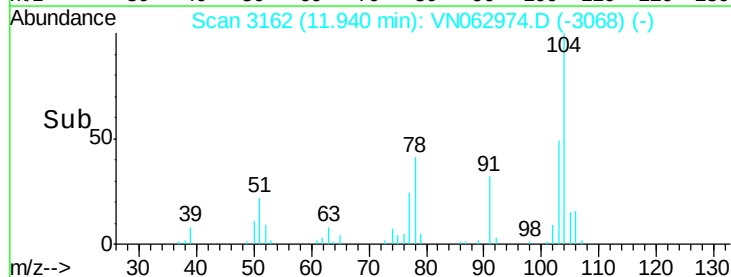
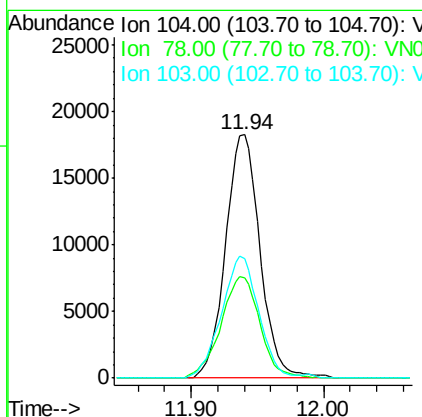
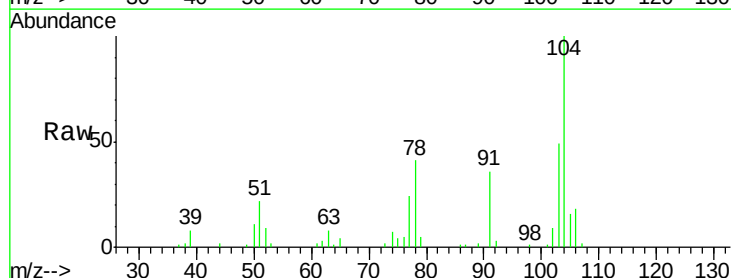
Manual Integrations
APPROVED

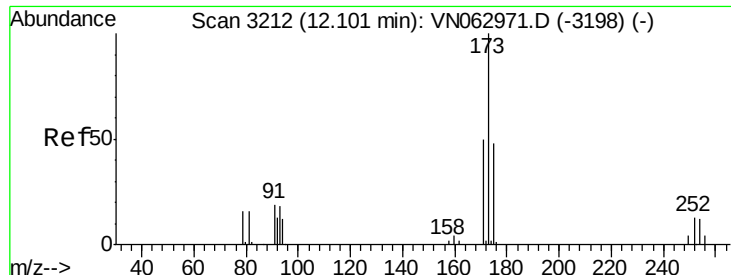
MMDadoda
8/18/2020 11:12:59 AM



#70
Styrene
Concen: 4.614 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		33040		
78	46.9	38.2	57.4		
103	53.8	44.9	67.3		





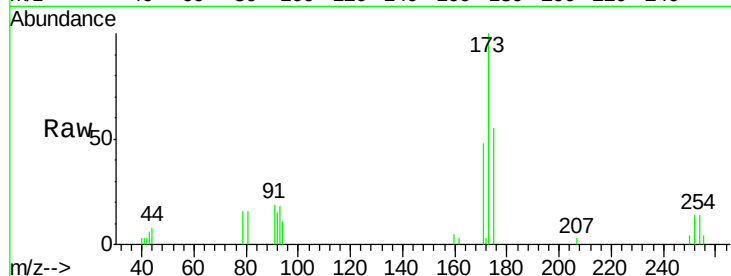
#71
Bromoform
Concen: 4.896 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

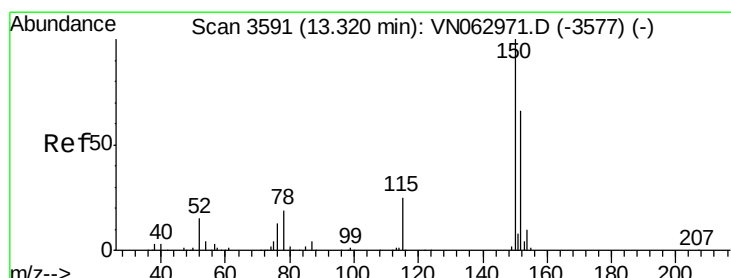
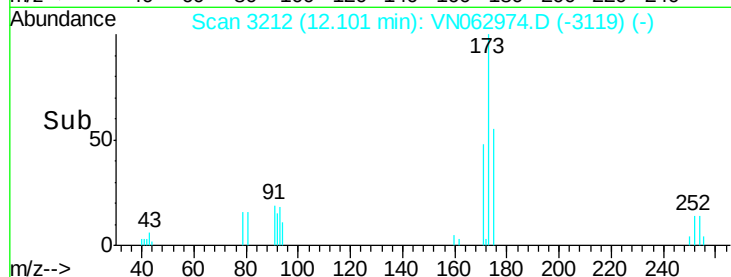
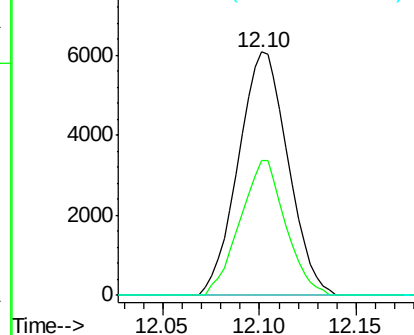
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM

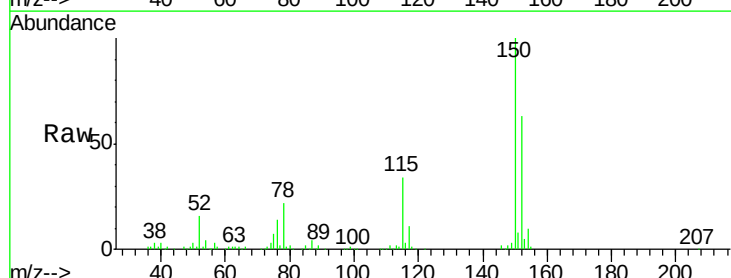


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

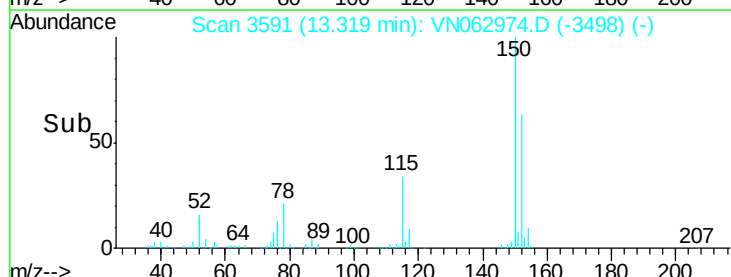
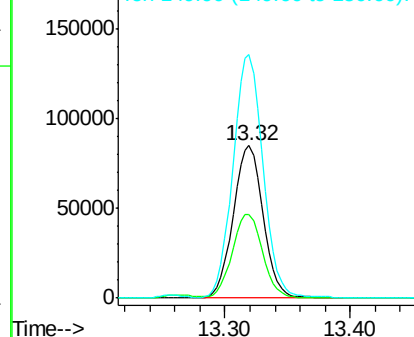


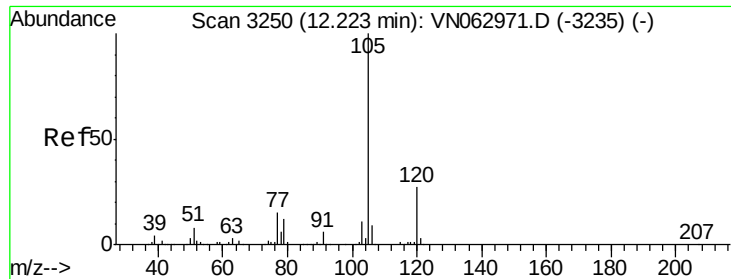
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.1	81.3
150	158.3	0.0	341.4



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





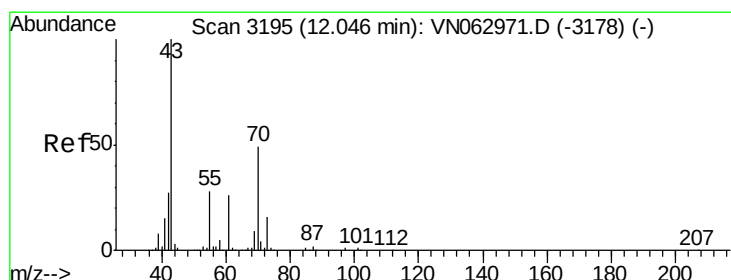
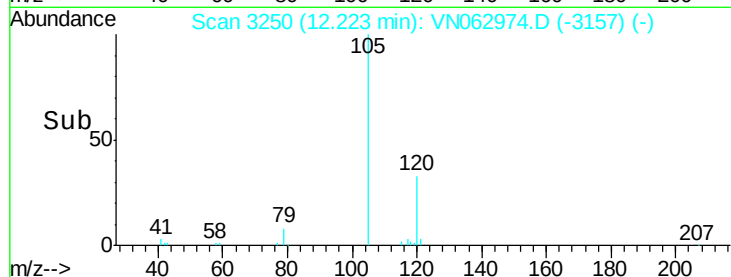
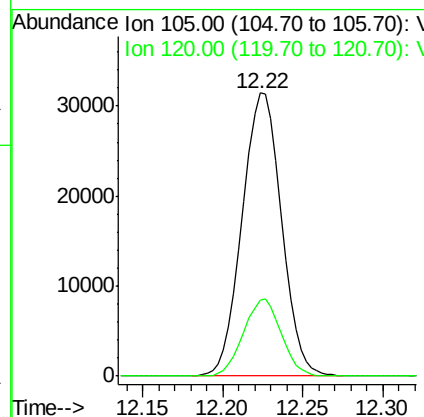
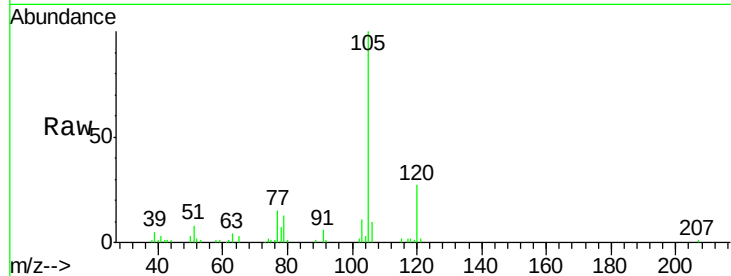
#73
Isopropylbenzene
Concen: 5.093 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.5	40.4

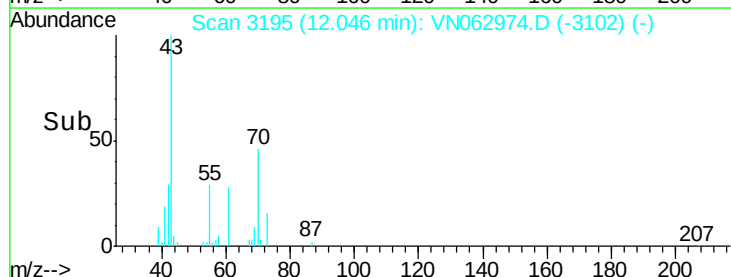
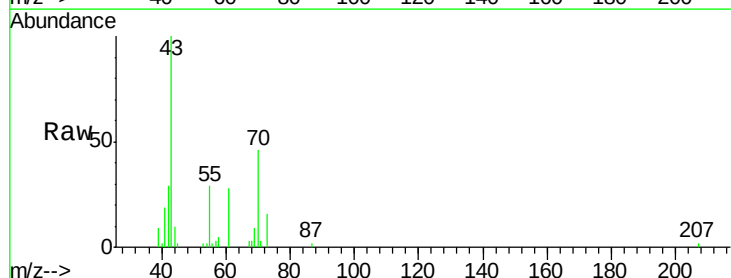
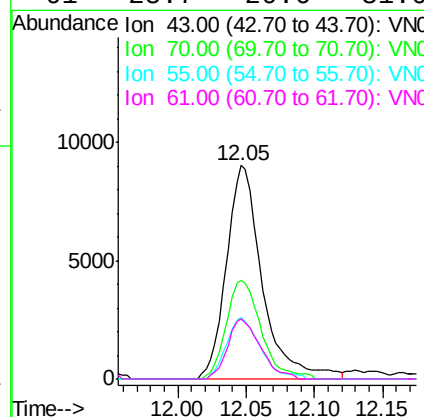
Manual Integrations
APPROVED

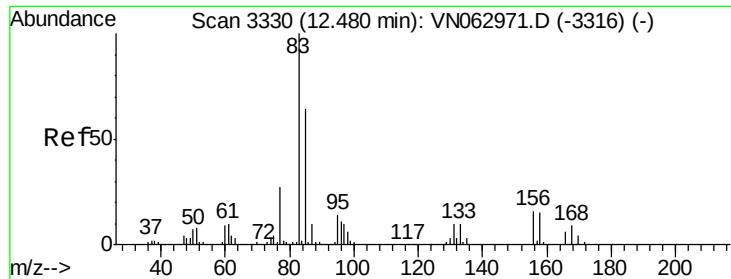
MMDadoda
8/18/2020 11:12:59 AM



#74
N-ethyl acetate
Concen: 4.080 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.9	38.4	57.6
55	27.4	21.9	32.9
61	25.7	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.063 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

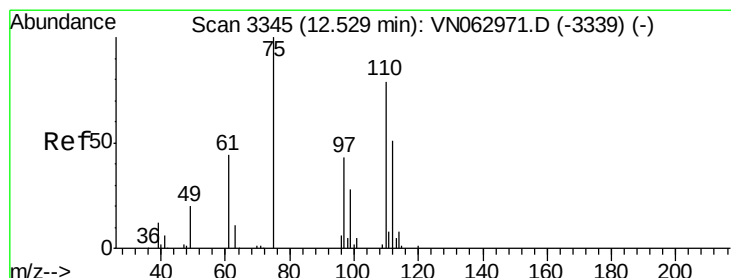
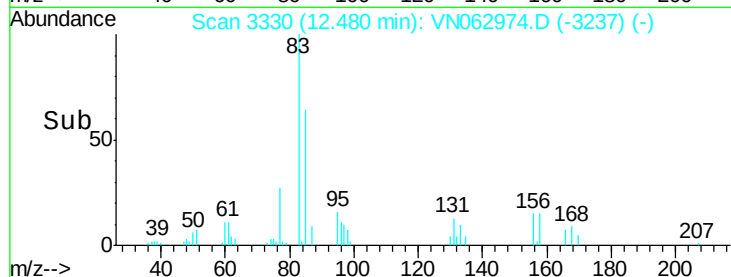
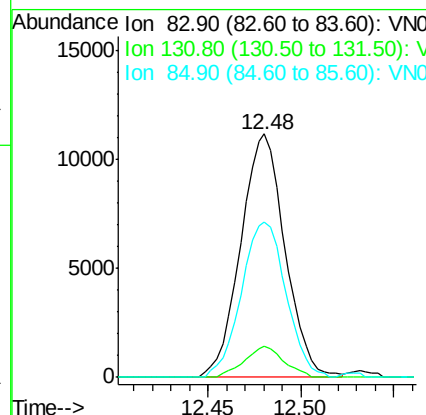
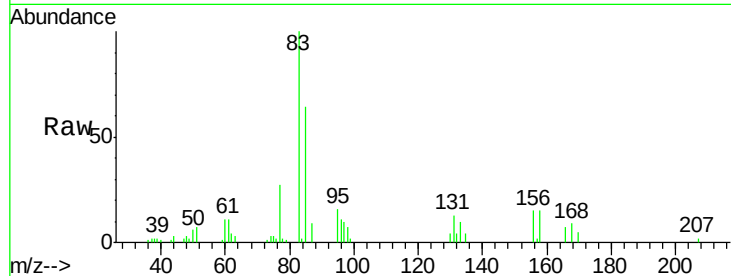
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	18499
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.3	16.1
85	64.0	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM



#76

1,2,3-Trichloropropane

Concen: 4.447 ug/l m

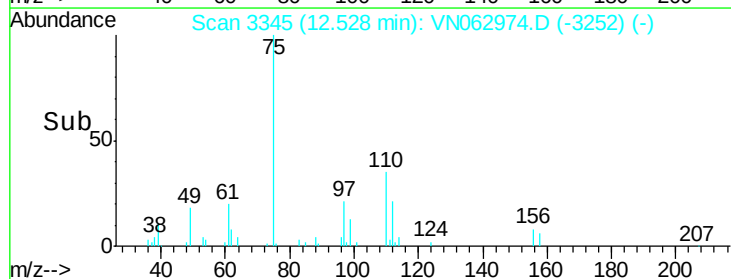
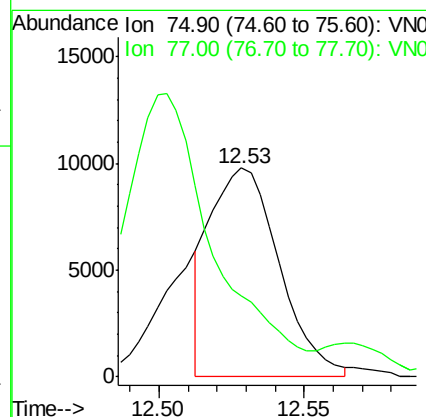
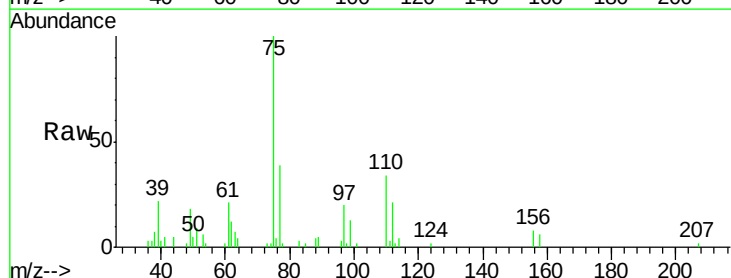
RT: 12.53 min Scan# 3345

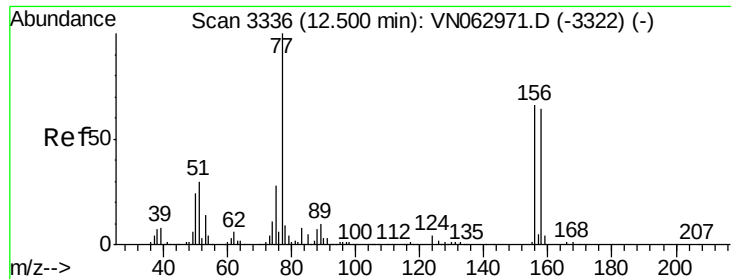
Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Tgt Ion:	75	Resp:	16225
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.829 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

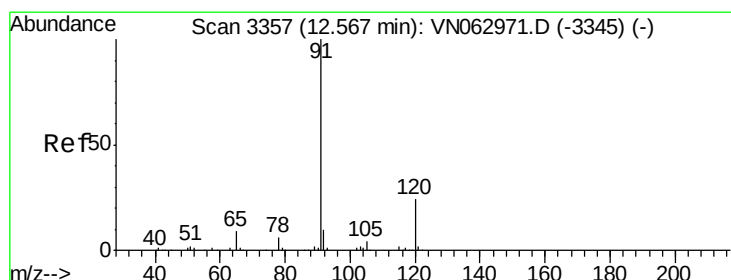
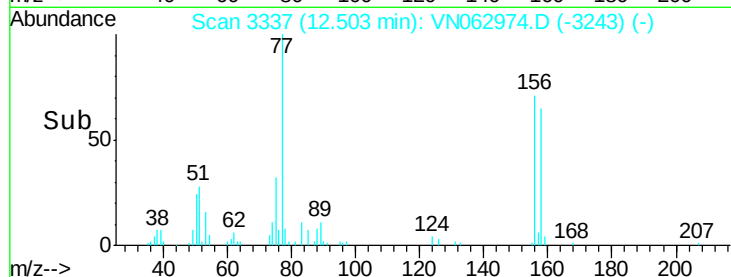
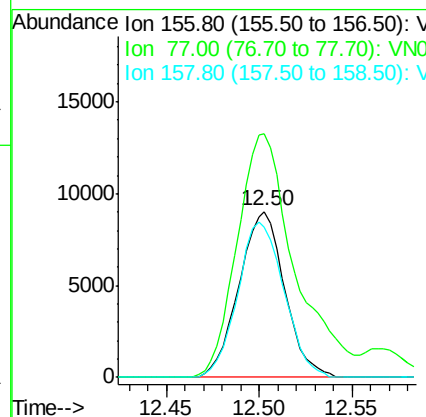
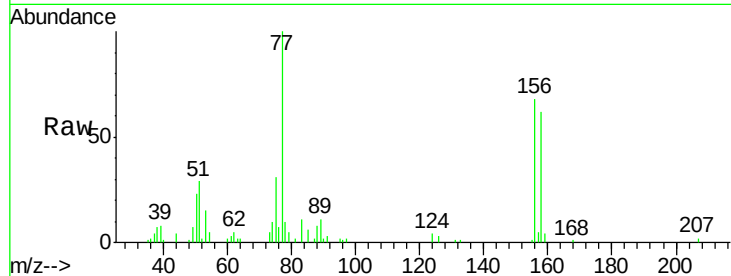
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.8	92.4	277.2
158	94.8	48.6	145.8

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:59 AM



#78

n-propylbenzene

Concen: 4.856 ug/l

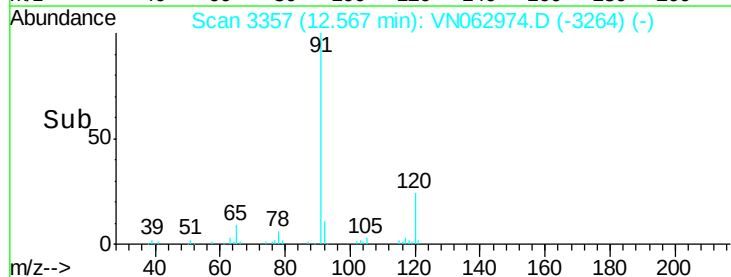
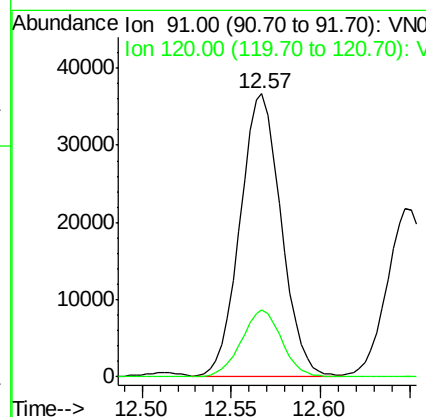
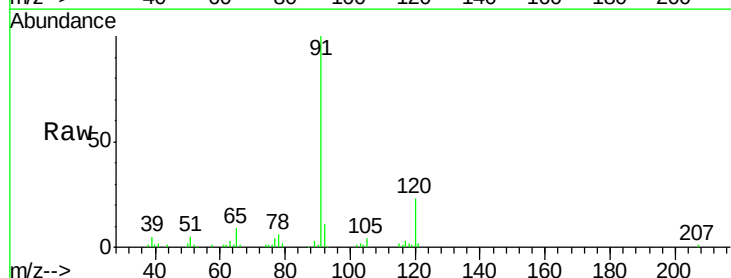
RT: 12.57 min Scan# 3357

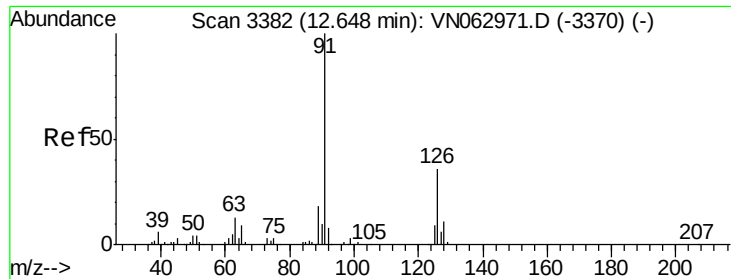
Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	12.1	36.3





#79

2-Chlorotoluene

Concen: 4.884 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 37051

Ion Ratio Lower Upper

91 100

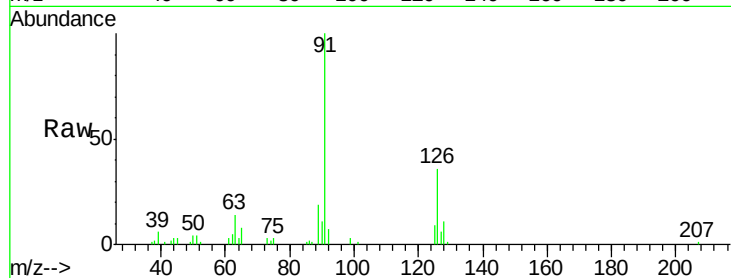
126 36.3 18.1 54.3

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:12:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062971.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062971.D (-3370) (-)

25000

20000

15000

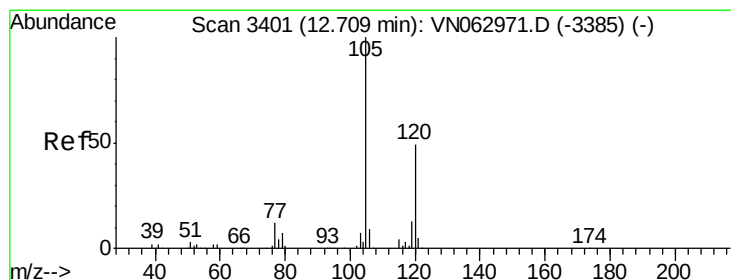
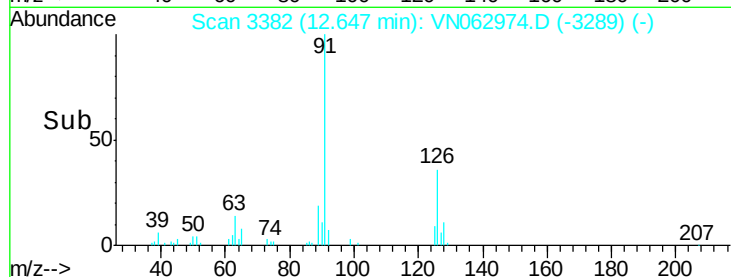
10000

5000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.784 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062974.D

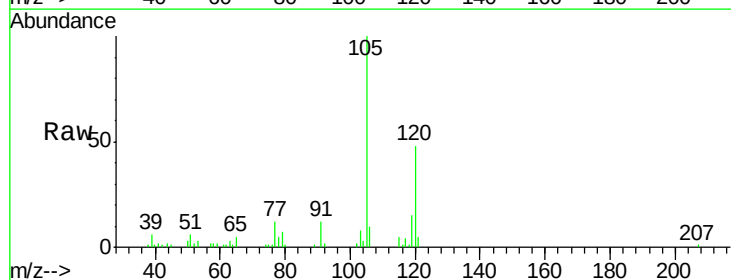
Acq: 17 Aug 2020 16:20

Tgt Ion: 105 Resp: 43043

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN062971.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062971.D (-3385) (-)

30000

25000

20000

15000

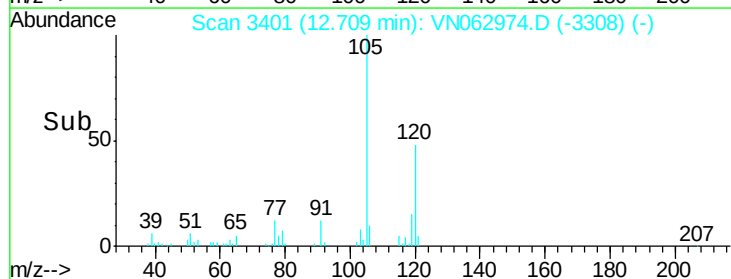
10000

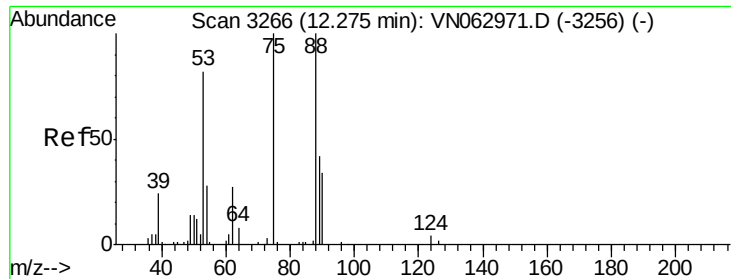
5000

0

12.65 12.70 12.75

Time-->





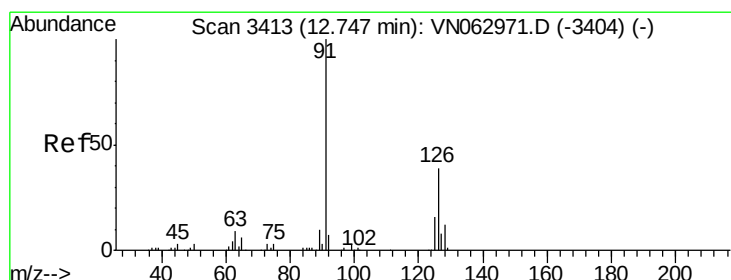
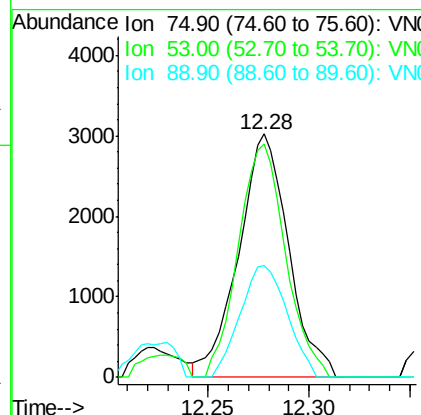
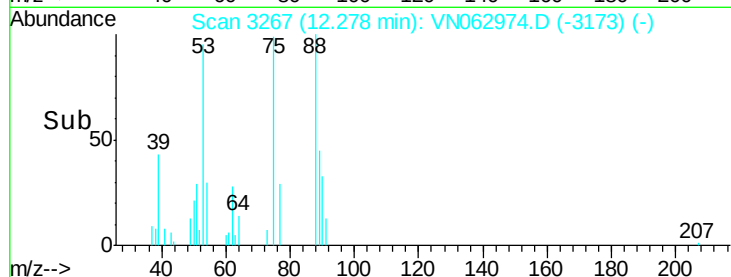
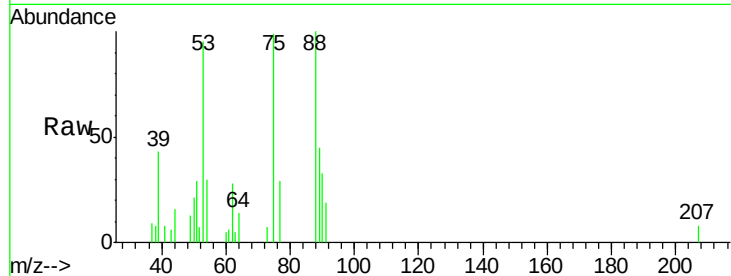
#81
trans-1,4-Dichloro-2-butene
Concen: 4.413 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	66.2	99.2
89	43.3	35.0	52.4

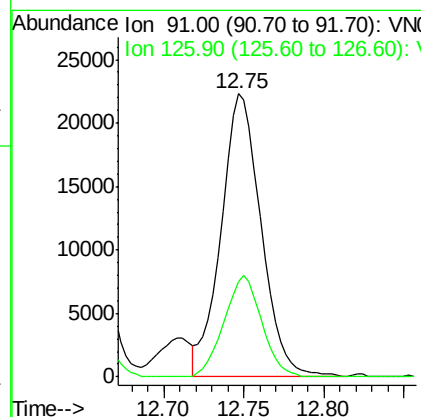
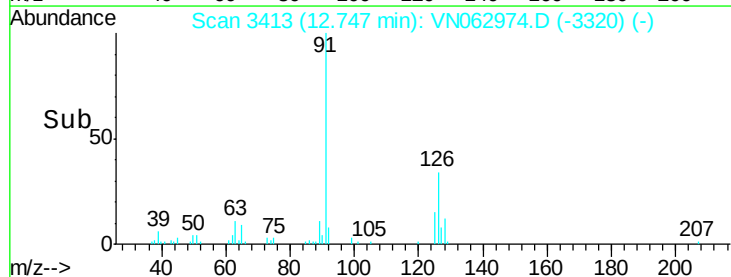
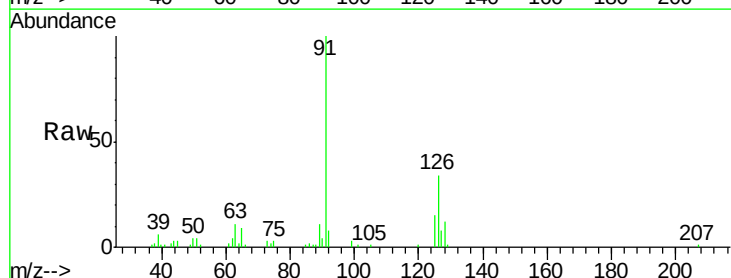
Manual Integrations
APPROVED

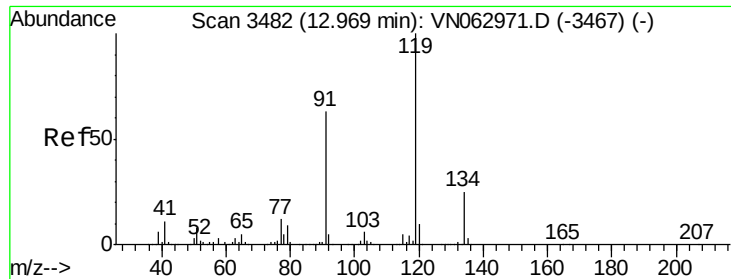
MMDadoda
8/18/2020 11:12:59 AM



#82
4-Chlorotoluene
Concen: 4.895 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.6	52.8





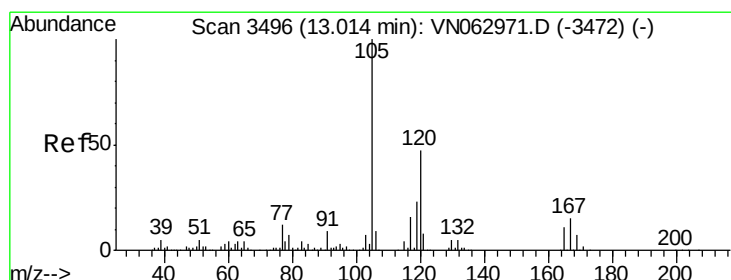
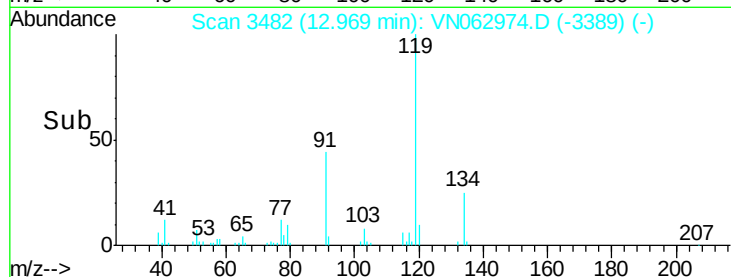
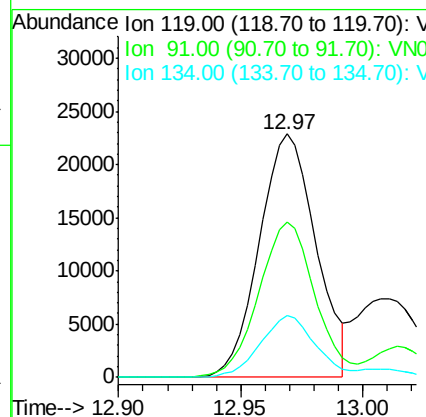
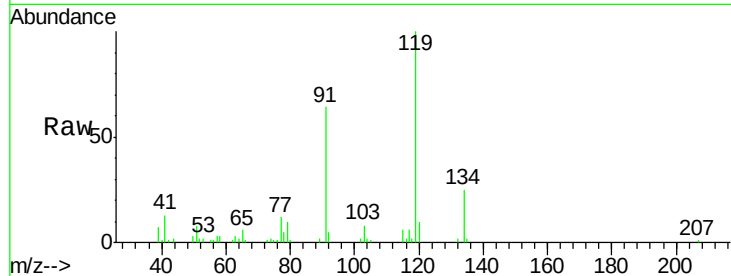
#83
tert-Butylbenzene
Concen: 4.810 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.0	93.0
134	24.6	13.3	39.8

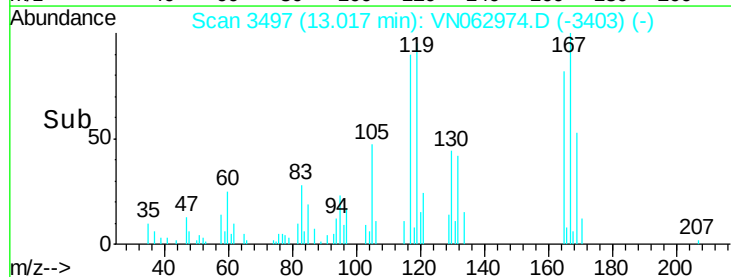
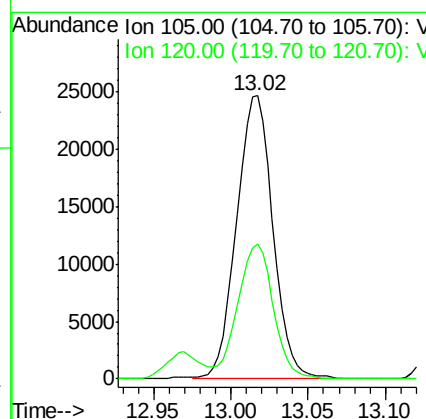
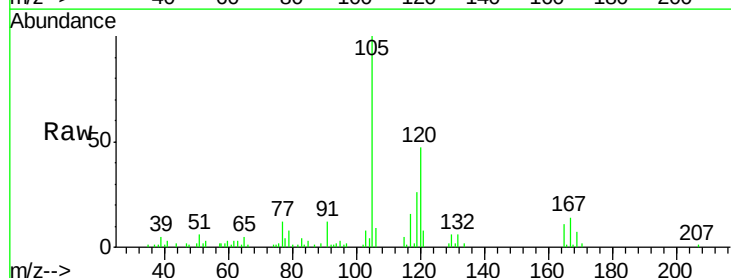
Manual Integrations
APPROVED

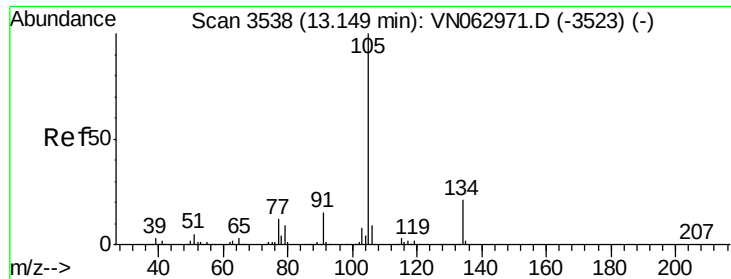
MMDadoda
8/18/2020 11:12:59 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.666 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6





#85

sec-Butylbenzene

Concen: 4.852 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 48674

Ion Ratio Lower Upper

105 100

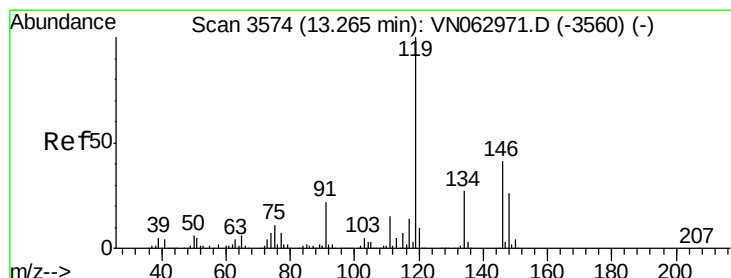
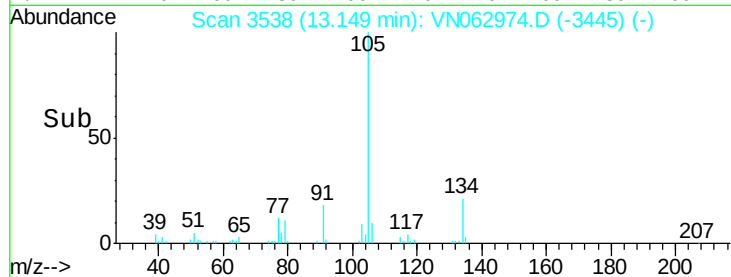
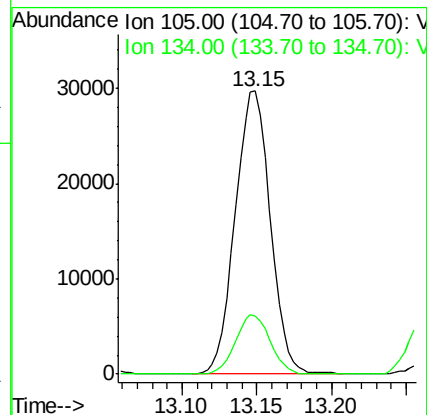
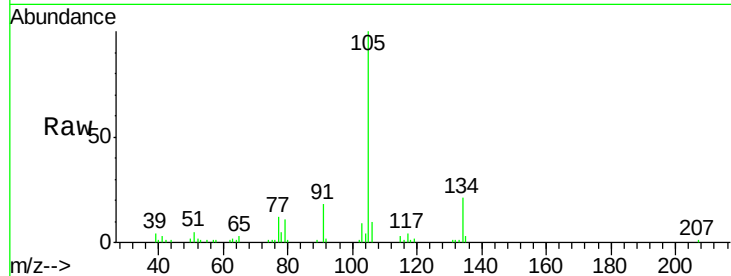
134 20.6 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:12:59 AM



#86

p-Isopropyltoluene

Concen: 4.701 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

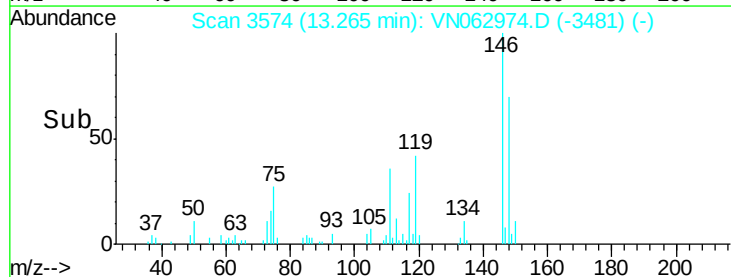
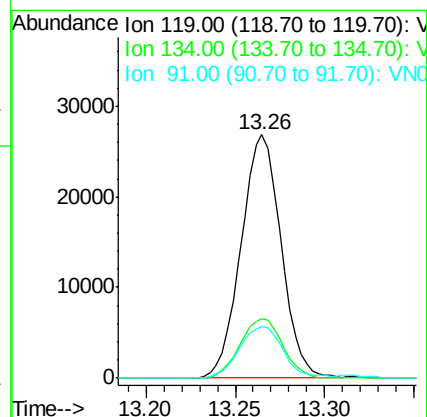
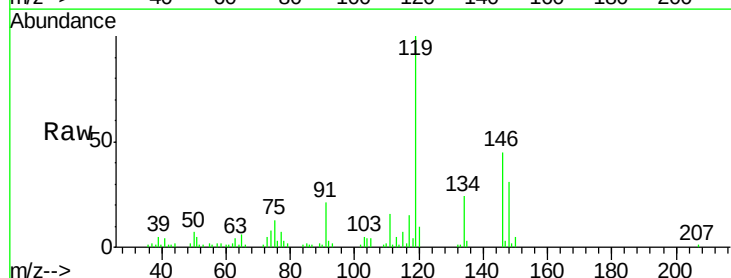
Tgt Ion:119 Resp: 41911

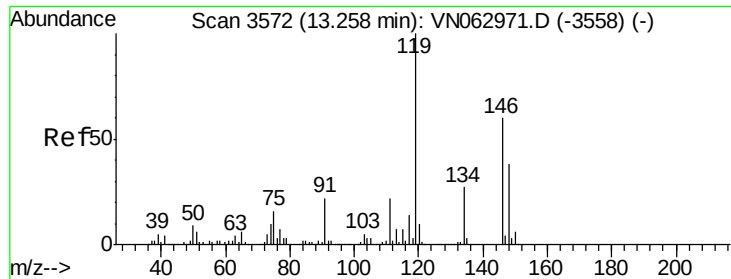
Ion Ratio Lower Upper

119 100

134 25.9 13.6 40.7

91 23.3 11.1 33.1





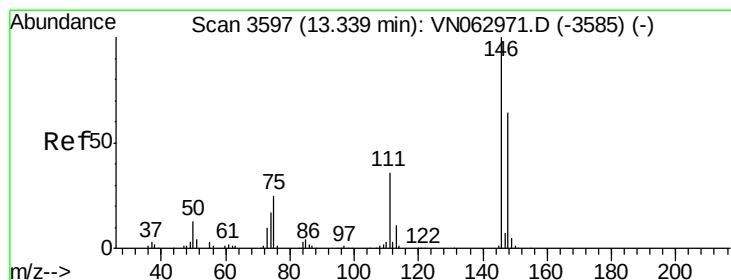
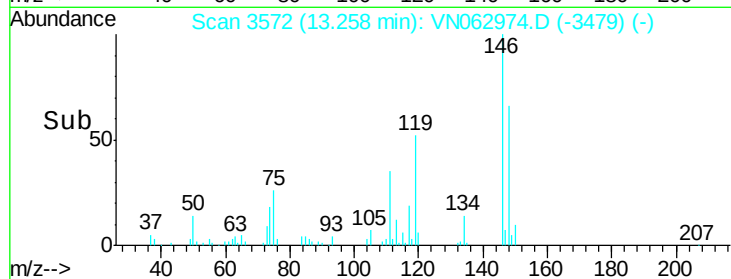
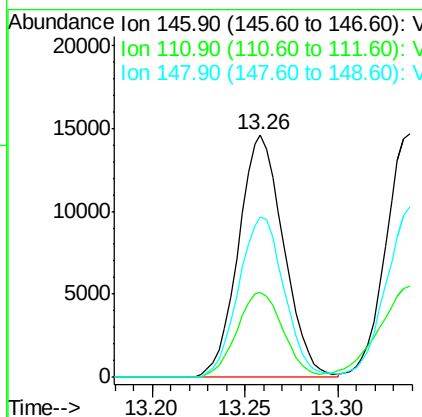
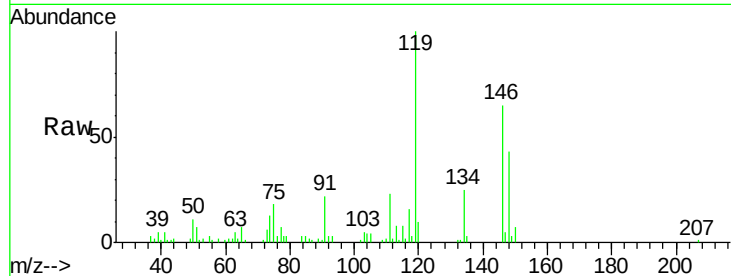
#87
 1,3-Dichlorobenzene
 Concen: 5.263 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.9	56.5
148	66.8	31.7	95.1

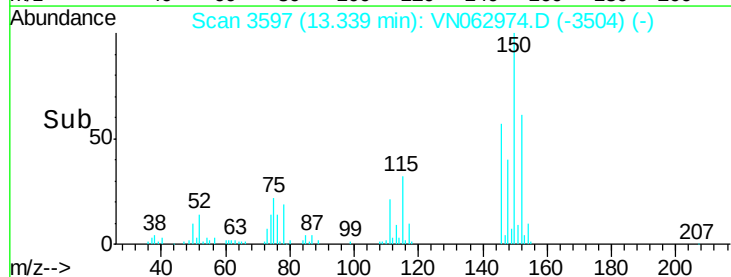
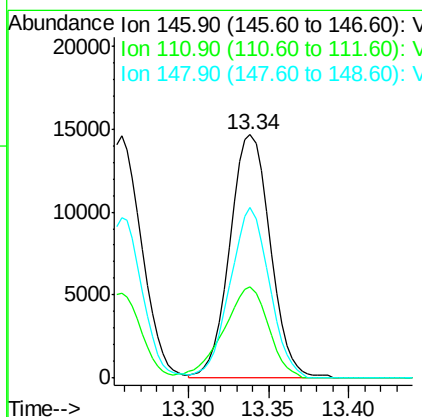
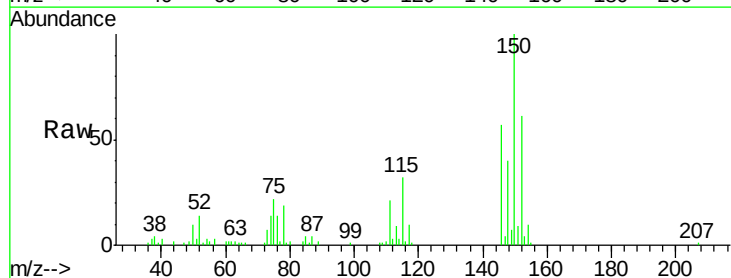
Manual Integrations
 APPROVED

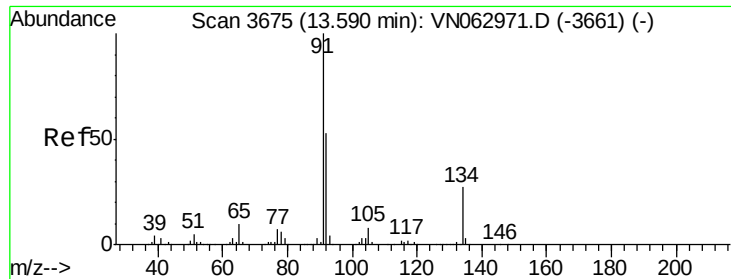
MMDadoda
 8/18/2020 11:12:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.364 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	18.4	55.2
148	68.3	32.1	96.5





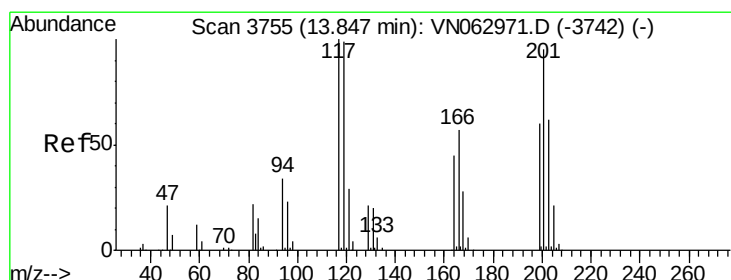
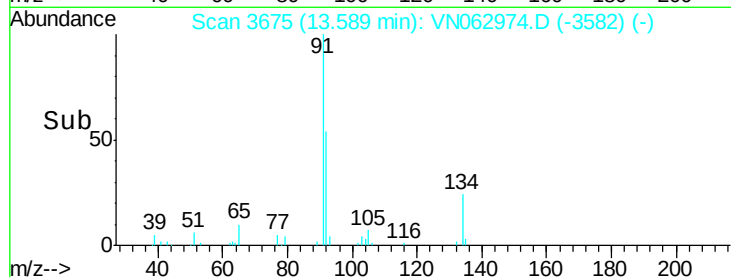
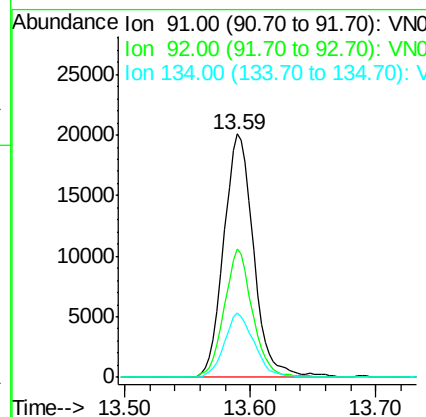
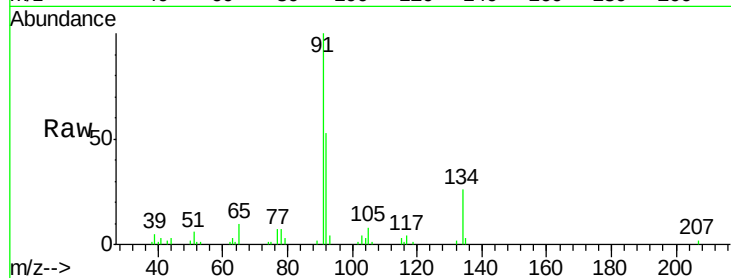
#89
n-Butylbenzene
Concen: 4.446 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.8	26.3	78.8
134	26.1	13.4	40.2

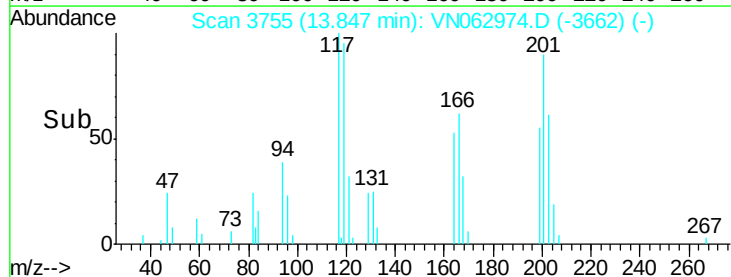
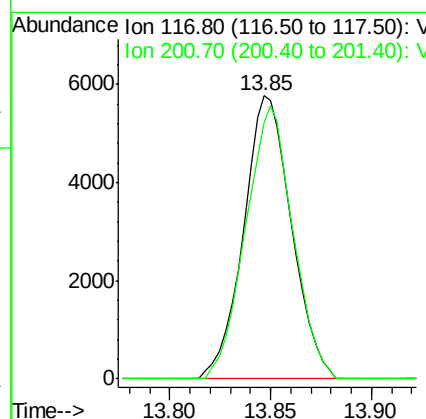
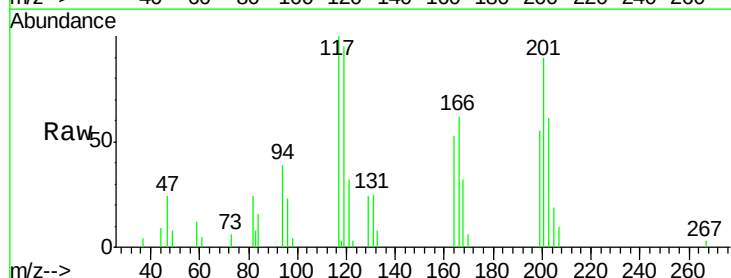
Manual Integrations
APPROVED

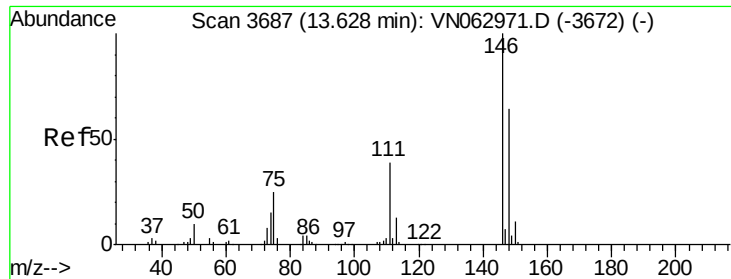
MMDadoda
8/18/2020 11:12:59 AM



#90
Hexachloroethane
Concen: 5.020 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062974.D
Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.1	48.4	145.3





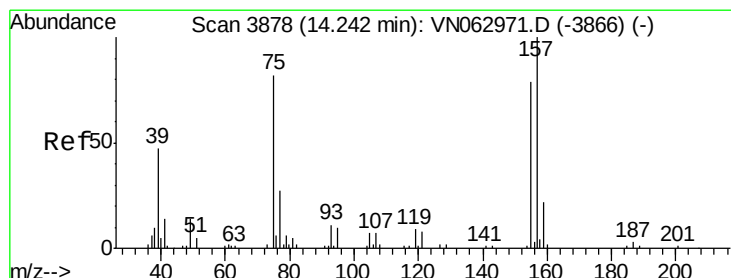
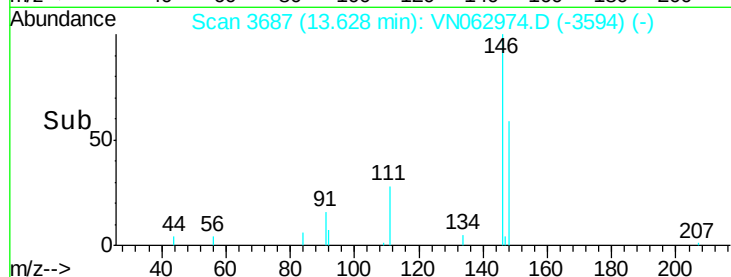
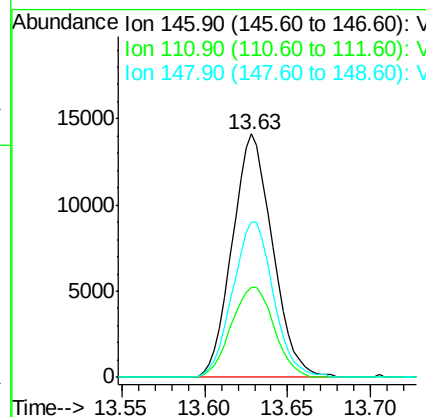
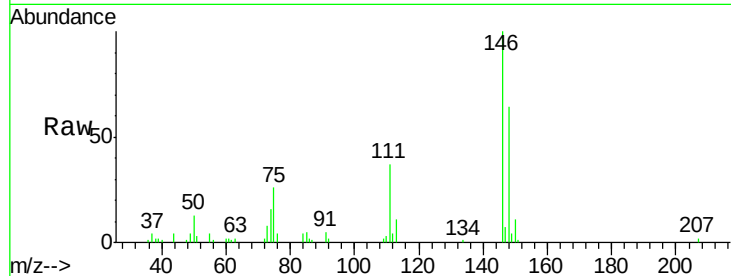
#91
 1,2-Dichlorobenzene
 Concen: 5.413 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.4
148	64.3	32.5	97.5

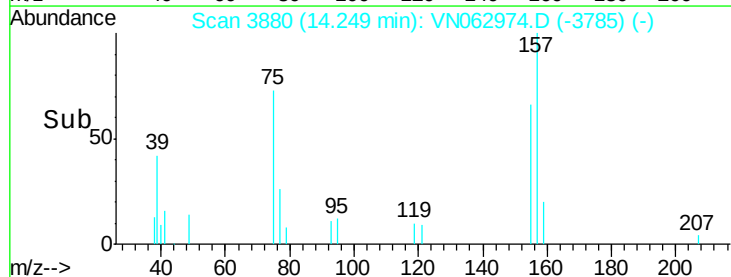
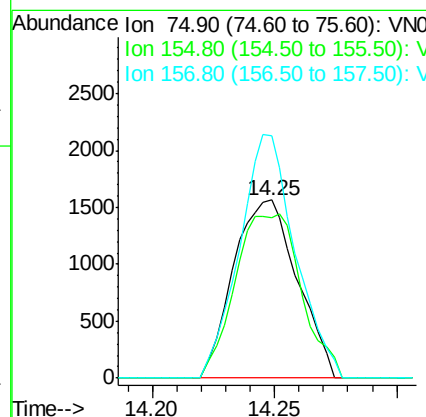
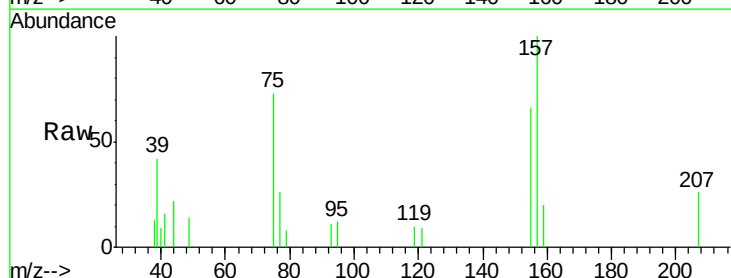
Manual Integrations
 APPROVED

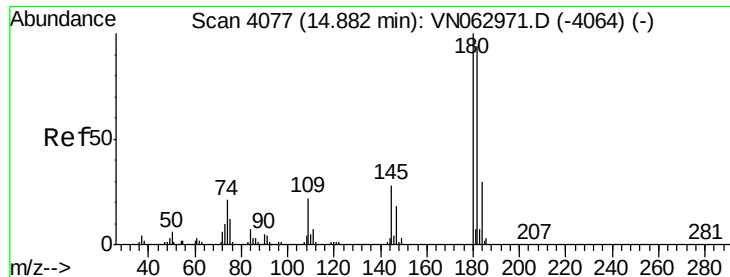
MMDadoda
 8/18/2020 11:12:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.759 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.01 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	47.6	142.8
157	119.6	61.4	184.1





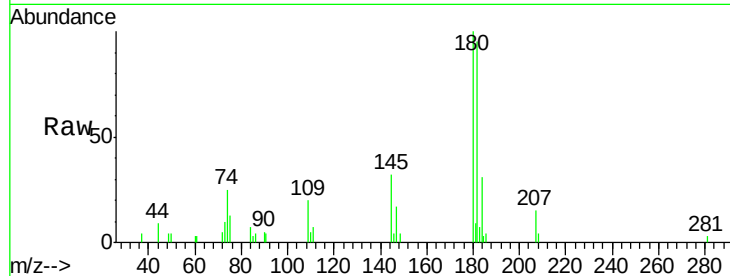
#93
 1,2,4-Trichlorobenzene
 Concen: 4.536 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

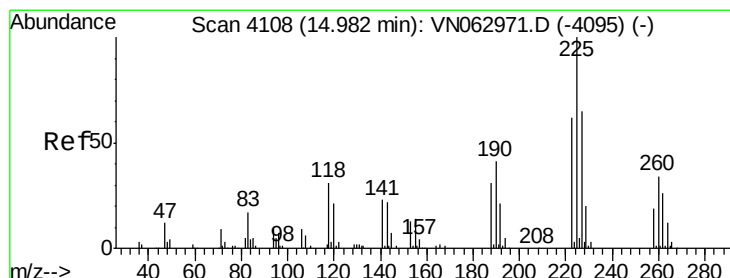
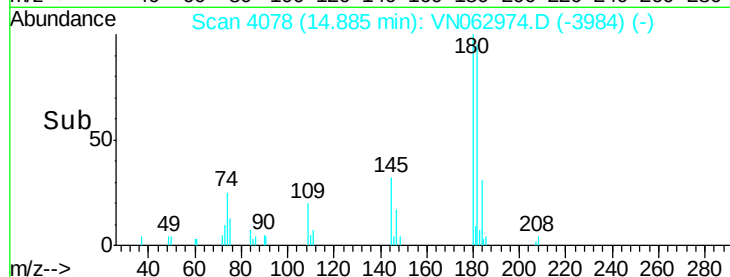
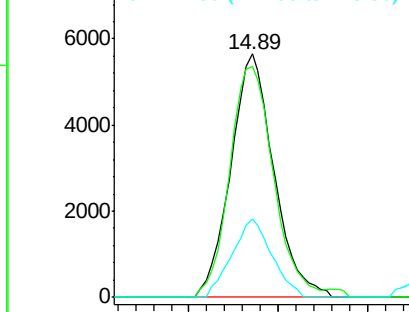
Tot Ion	Ratio	Resp	Lower	Upper
180	100	9483		
182	96.6	47.8	143.3	
145	29.5	13.9	41.7	

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:59 AM

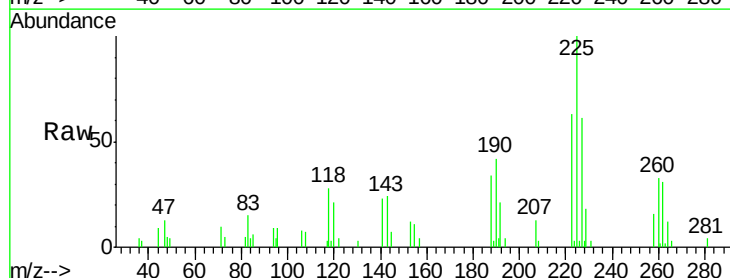


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

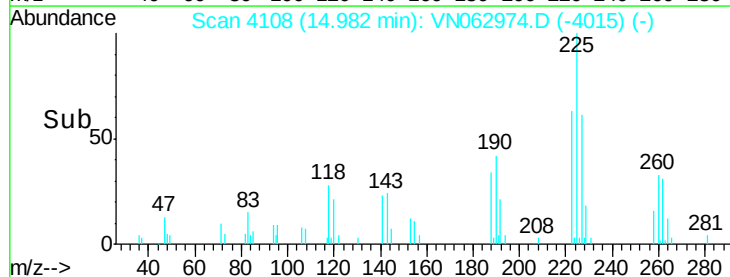
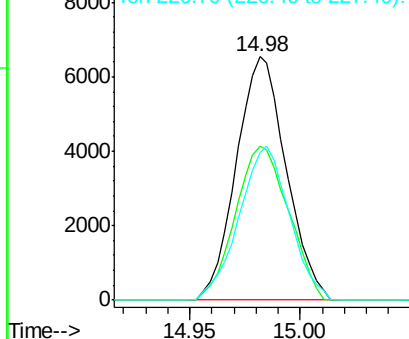


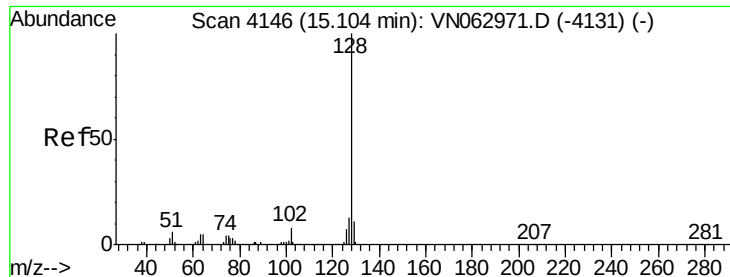
#94
 Hexachlorobutadiene
 Concen: 6.552 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062974.D
 Acq: 17 Aug 2020 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10271		
223	67.1	30.9	92.5	
227	64.0	32.0	96.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.632 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Instrument :

MSVOA_N

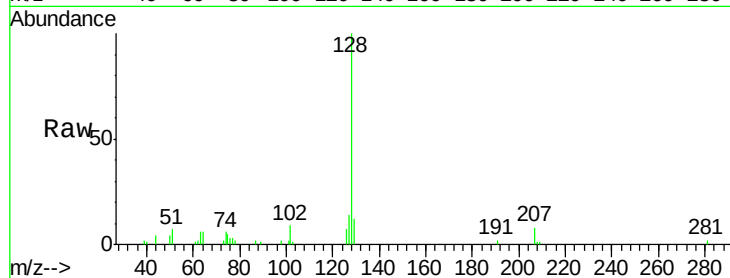
ClientSampleId :

VSTDIC005

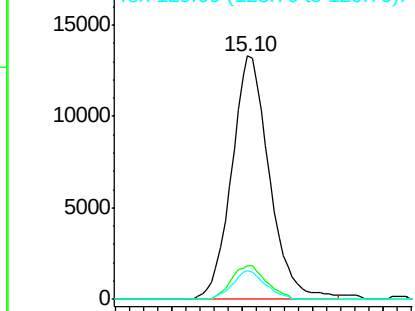
Tot Ion:	128	Resp:	24854
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.3	8.6	12.8

Manual Integrations
APPROVED

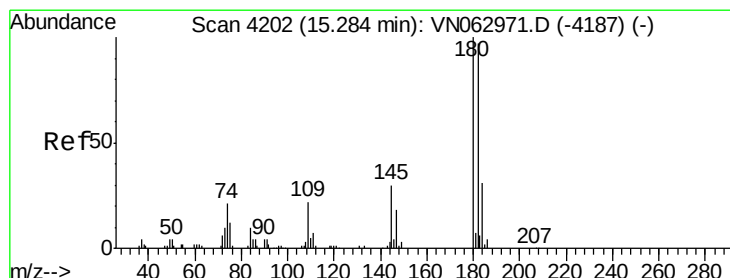
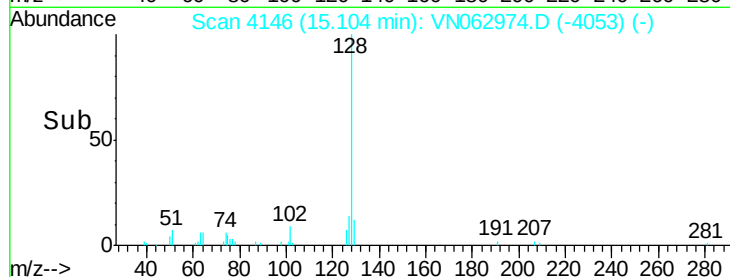
MMDadoda
8/18/2020 11:12:59 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 5.177 ug/l

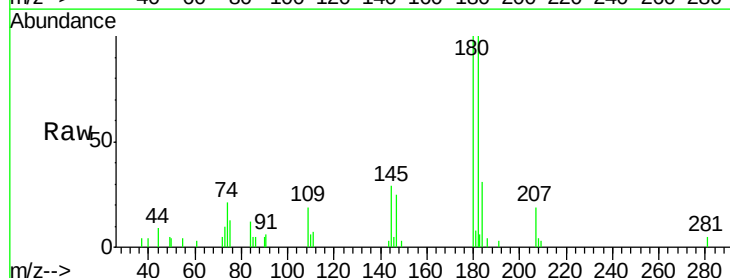
RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

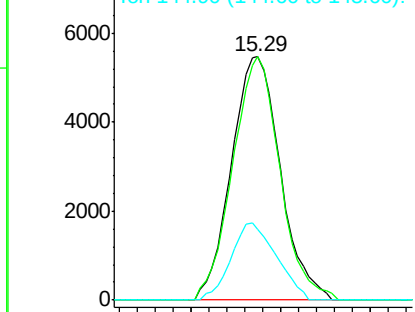
Lab File: VN062974.D

Acq: 17 Aug 2020 16:20

Tgt Ion:	180	Resp:	10477
Ion Ratio	Lower	Upper	
180	100		
182	96.5	49.3	147.8
145	29.3	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

