

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062364.D
 Acq On : 6 Jul 2020 13:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:26 AM

Quant Time: Jul 07 04:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	1073683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1845467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1687186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	767296	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	409503	25.21	ug/l	0.00
Spiked Amount			Recovery	=	50.42%	
35) Dibromofluoromethane	7.55	113	263307	21.47	ug/l	0.00
Spiked Amount			Recovery	=	42.94%	
50) Toluene-d8	10.06	98	997042	20.54	ug/l	0.00
Spiked Amount			Recovery	=	41.08%	
62) 4-Bromofluorobenzene	12.37	95	356888	21.29	ug/l	0.00
Spiked Amount			Recovery	=	42.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	241457	19.732	ug/l	99
3) Chloromethane	2.04	50	361500	22.048	ug/l	98
4) Vinyl Chloride	2.16	62	306444	16.468	ug/l	97
5) Bromomethane	2.53	94	177008	15.191	ug/l	93
6) Chloroethane	2.67	64	173856	13.992	ug/l	98
7) Trichlorofluoromethane	2.98	101	442530	18.638	ug/l	99
8) Diethyl Ether	3.37	74	160833	19.458	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	234619	19.067	ug/l	98
10) Methyl Iodide	3.91	142	299935	21.358	ug/l	97
11) Tert butyl alcohol	4.73	59	265748	115.114	ug/l #	79
12) 1,1-Dichloroethene	3.70	96	219283	17.956	ug/l	98
13) Acrolein	3.57	56	109423	56.467	ug/l	91
14) Allyl chloride	4.28	41	548159	29.519	ug/l	99
15) Acrylonitrile	4.93	53	736120	119.231	ug/l	100
16) Acetone	3.78	43	927802	154.540	ug/l	99
17) Carbon Disulfide	4.01	76	678932	17.409	ug/l	100
18) Methyl Acetate	4.28	43	366047	27.662	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	862999	21.458	ug/l	99
20) Methylene Chloride	4.50	84	285477	18.847	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	238554	17.226	ug/l	95
22) Diisopropyl ether	5.90	45	1110502	26.830	ug/l	94
23) Vinyl Acetate	5.84	43	4784225	142.008	ug/l	98
24) 1,1-Dichloroethane	5.80	63	539049	21.355	ug/l	100
25) 2-Butanone	6.79	43	1194668	147.214	ug/l	99
26) 2,2-Dichloropropane	6.78	77	438801	21.031	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	285890	18.256	ug/l	97
28) Bromochloromethane	7.15	49	307070	26.442	ug/l	100
29) Tetrahydrofuran	7.17	42	753472	142.122	ug/l	99
30) Chloroform	7.33	83	516663	20.373	ug/l	98
31) Cyclohexane	7.62	56	495444	22.858	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	440920	20.625	ug/l	98
36) 1,1-Dichloropropene	7.75	75	381109	20.265	ug/l	100
37) Ethyl Acetate	6.88	43	485198	28.654	ug/l	98
38) Carbon Tetrachloride	7.73	117	393643	21.954	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062364.D
 Acq On : 6 Jul 2020 13:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:26 AM

Quant Time: Jul 07 04:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	406443	19.832	ug/l	99
40) Benzene	8.00	78	1109467	19.536	ug/l	98
41) Methacrylonitrile	7.12	41	213130	27.741	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	488927	24.400	ug/l	99
43) Isopropyl Acetate	8.13	43	790060	28.557	ug/l	100
44) Trichloroethene	8.80	130	256131	18.058	ug/l	97
45) 1,2-Dichloropropane	9.09	63	322144	22.366	ug/l	97
46) Dibromomethane	9.18	93	196256	20.473	ug/l	96
47) Bromodichloromethane	9.37	83	423027	21.672	ug/l	96
48) Methyl methacrylate	9.17	41	401304	31.571	ug/l	97
49) 1,4-Dioxane	9.17	88	100186	400.216	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	2413683	150.645	ug/l	96
52) Toluene	10.12	92	660694	19.213	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	463136	21.500	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	494282	21.700	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	259478	19.201	ug/l	97
56) Ethyl methacrylate	10.40	69	421150	22.510	ug/l	98
57) 1,3-Dichloropropane	10.68	76	485069	20.499	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	750359	106.716	ug/l	99
59) 2-Hexanone	10.72	43	1789980	153.071	ug/l	96
60) Dibromochloromethane	10.87	129	298454	20.536	ug/l	100
61) 1,2-Dibromoethane	10.98	107	272582	19.593	ug/l	97
64) Tetrachloroethene	10.60	164	210943	18.434	ug/l	96
65) Chlorobenzene	11.40	112	700652	18.982	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	265850	20.630	ug/l	99
67) Ethyl Benzene	11.48	91	1312226	20.879	ug/l	99
68) m/p-Xylenes	11.59	106	937287	38.957	ug/l	94
69) o-Xylene	11.92	106	451322	19.892	ug/l	100
70) Styrene	11.94	104	752940	19.858	ug/l	99
71) Bromoform	12.10	173	195690	21.048	ug/l #	98
73) Isopropylbenzene	12.22	105	1240362	20.938	ug/l	99
74) N-amyl acetate	12.05	43	662000	30.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	413927	20.837	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	398440m	22.021	ug/l	
77) Bromobenzene	12.50	156	278344	19.040	ug/l	99
78) n-propylbenzene	12.57	91	1434763	21.108	ug/l	100
79) 2-Chlorotoluene	12.65	91	871920	21.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1032738	21.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	131320	20.990	ug/l	95
82) 4-Chlorotoluene	12.75	91	883700	20.690	ug/l	99
83) tert-Butylbenzene	12.97	119	880021	21.416	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	1003405	20.857	ug/l	99
85) sec-Butylbenzene	13.15	105	1131813	20.740	ug/l	100
86) p-Isopropyltoluene	13.27	119	996297	20.885	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	485303	18.847	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	487874	18.357	ug/l	97
89) n-Butylbenzene	13.59	91	821168	20.554	ug/l	98
90) Hexachloroethane	13.85	117	202227	21.299	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	483002	19.335	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	80168	24.368	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
Data File : VN062364.D
Acq On : 6 Jul 2020 13:14
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM

Quant Time: Jul 07 04:50:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 07 04:35:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	216879	19.657	ug/l	99
94) Hexachlorobutadiene	14.98	225	128331	25.320	ug/l	97
95) Naphthalene	15.10	128	580493	18.337	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	214959	19.104	ug/l	97

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

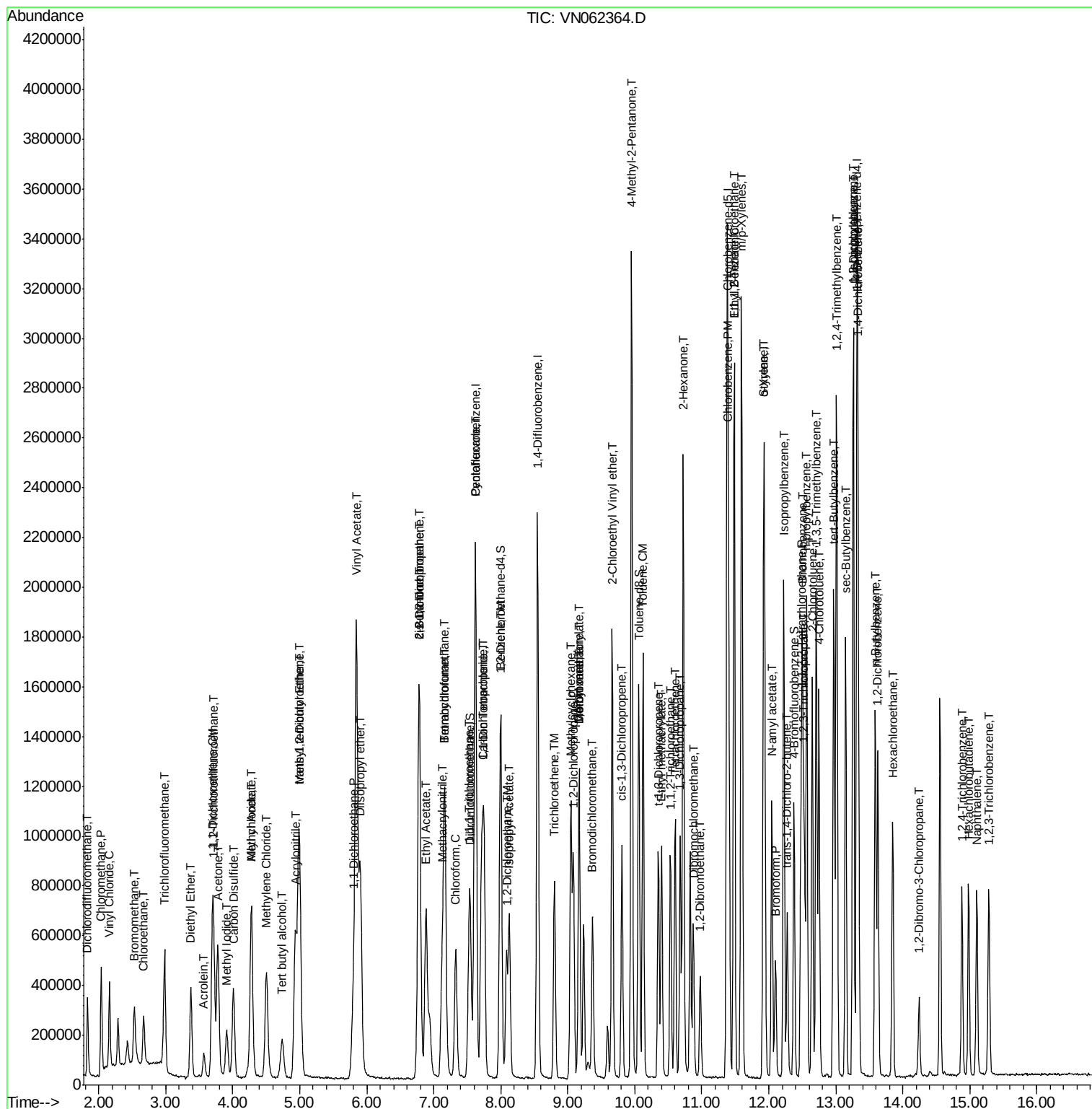
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070620\
Data File : VN062364.D
Acq On : 6 Jul 2020 13:14
Operator : JC/MD
Sample : VSTDIC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

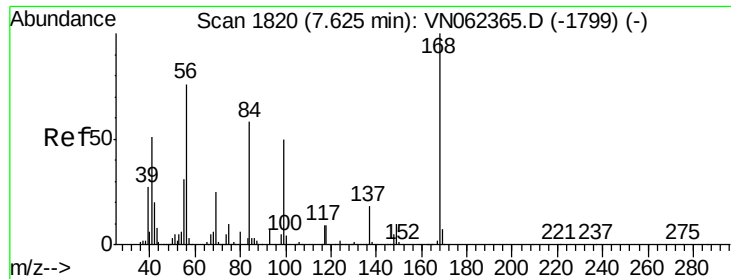
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM

Quant Time: Jul 07 04:50:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 07 04:35:46 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: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 1073683

Ion Ratio Lower Upper

168 100

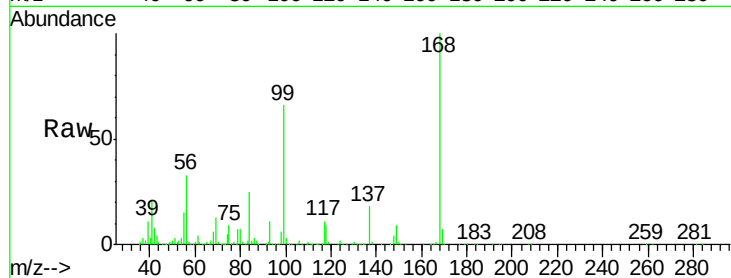
99 65.7 52.9 79.3

Manual Integrations

APPROVED

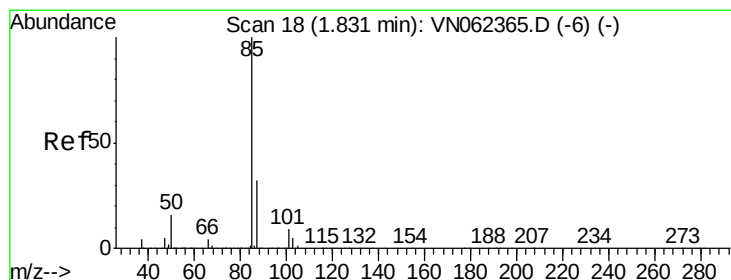
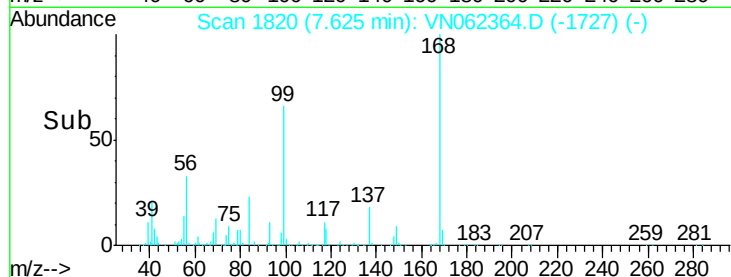
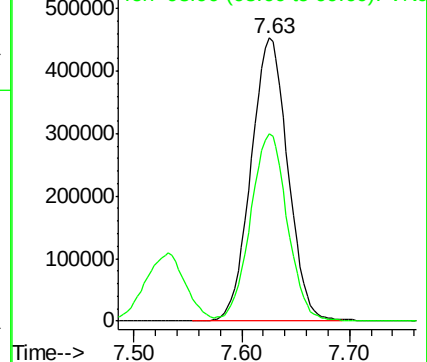
MMDadoda

7/7/2020 10:08:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.732 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062364.D

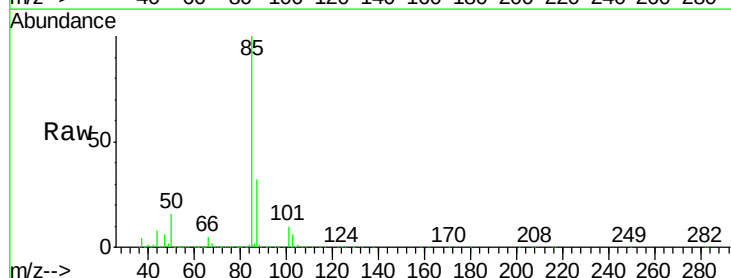
Acq: 6 Jul 2020 13:14

Tgt Ion: 85 Resp: 241457

Ion Ratio Lower Upper

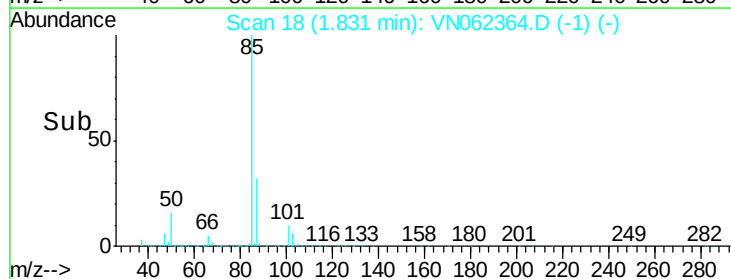
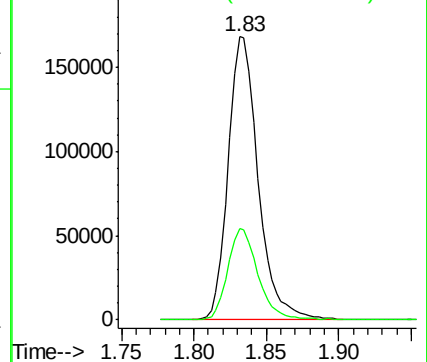
85 100

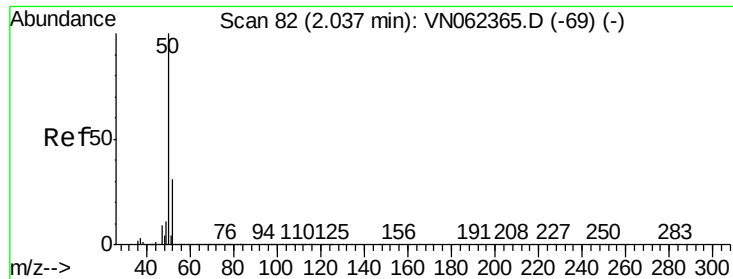
87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





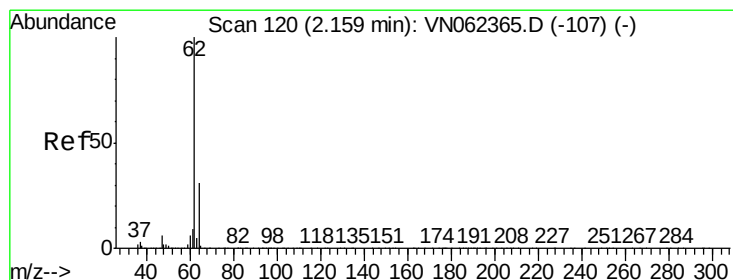
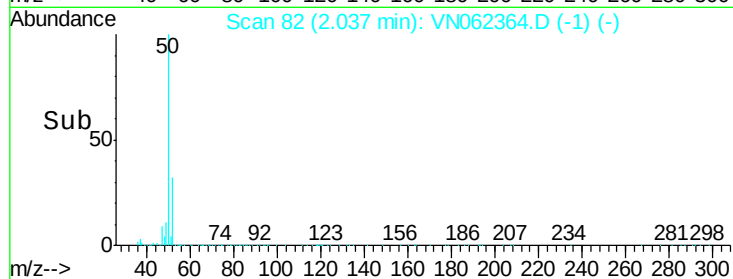
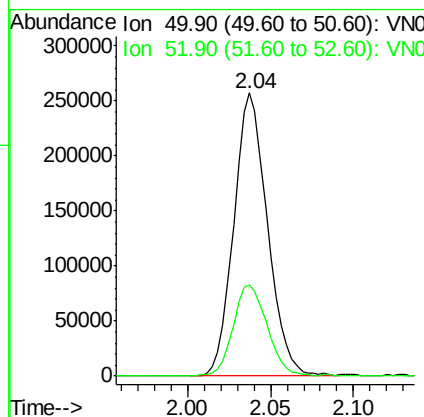
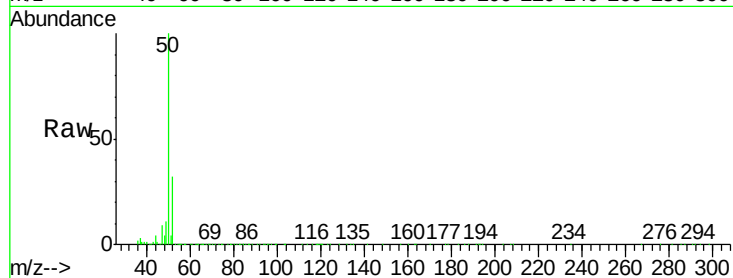
#3
Chloromethane
Concen: 22.048 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.6

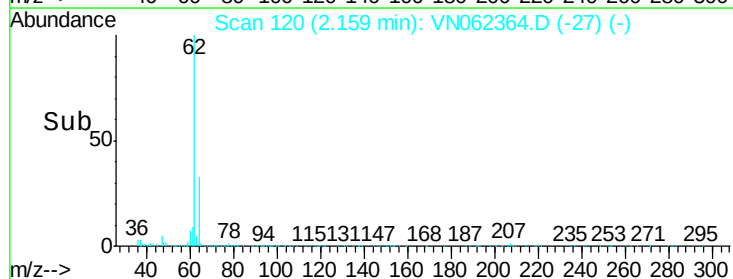
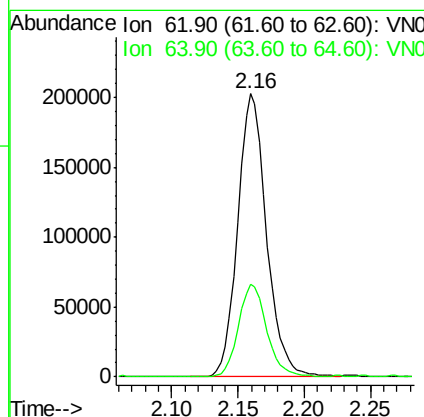
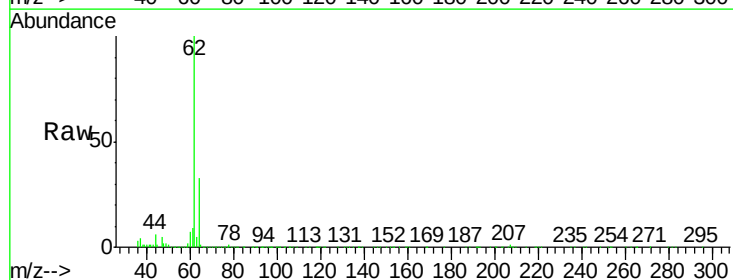
Manual Integrations
APPROVED

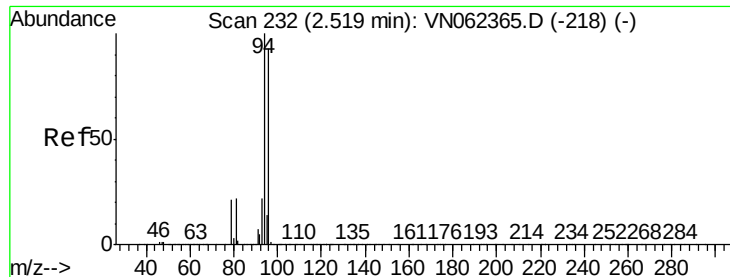
MMDadoda
7/7/2020 10:08:26 AM



#4
Vinyl Chloride
Concen: 16.468 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.9	37.3





#5

Bromomethane

Concen: 15.191 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 177008

Ion Ratio Lower Upper

94 100

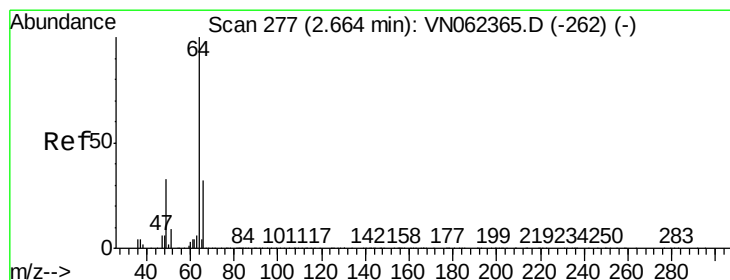
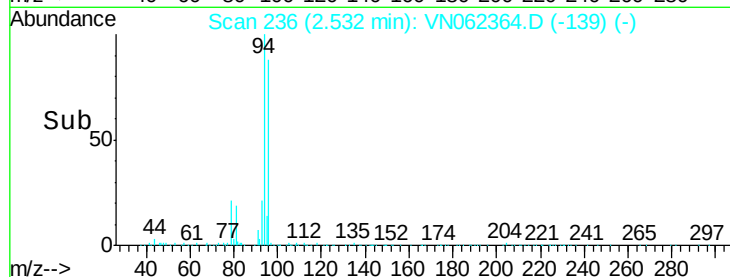
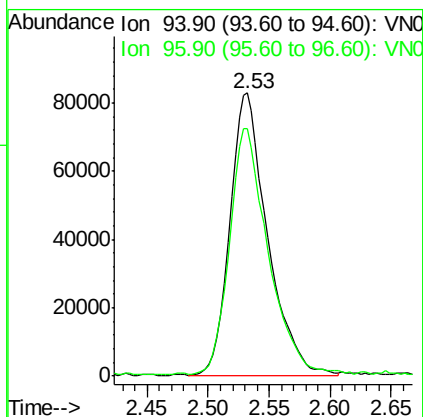
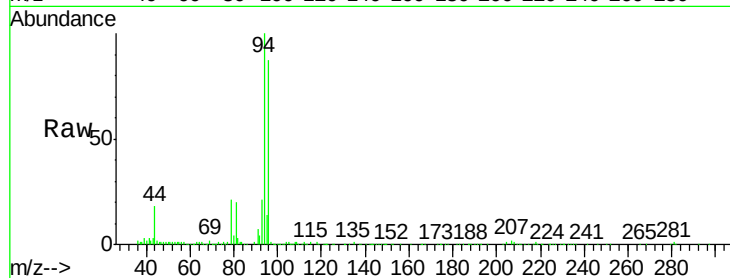
96 86.8 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

7/7/2020 10:08:26 AM



#6

Chloroethane

Concen: 13.992 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062364.D

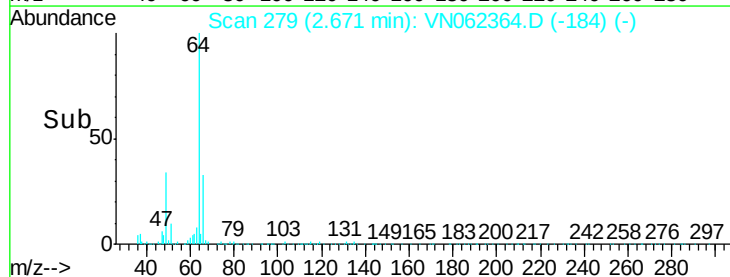
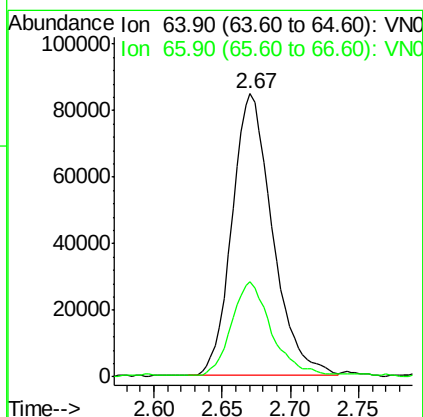
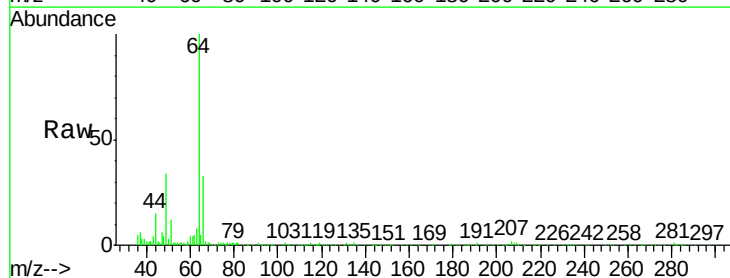
Acq: 6 Jul 2020 13:14

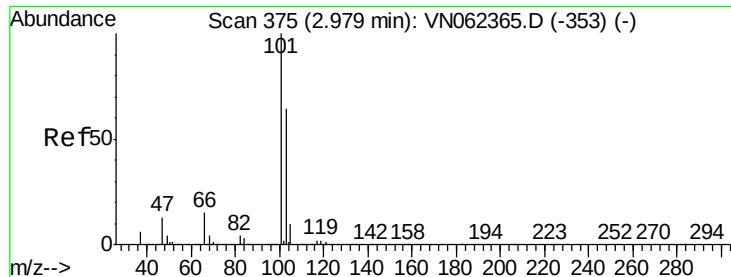
Tgt Ion: 64 Resp: 173856

Ion Ratio Lower Upper

64 100

66 33.2 25.7 38.5





#7

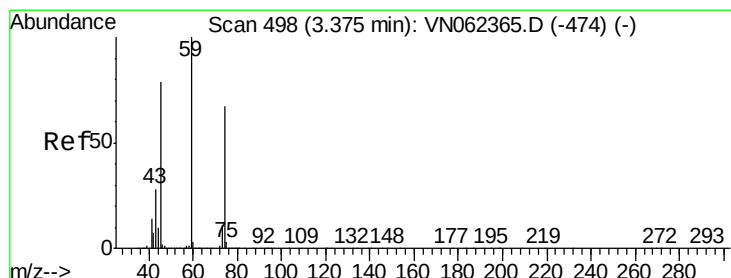
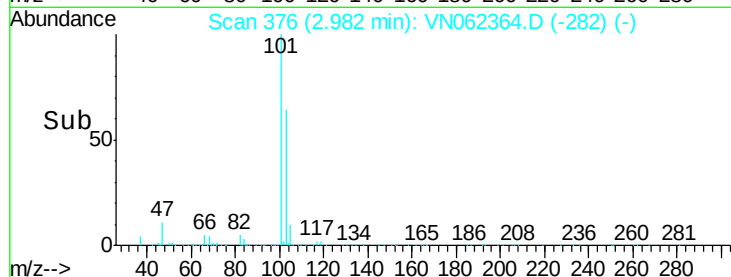
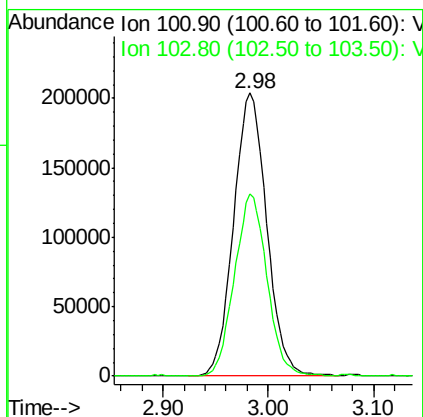
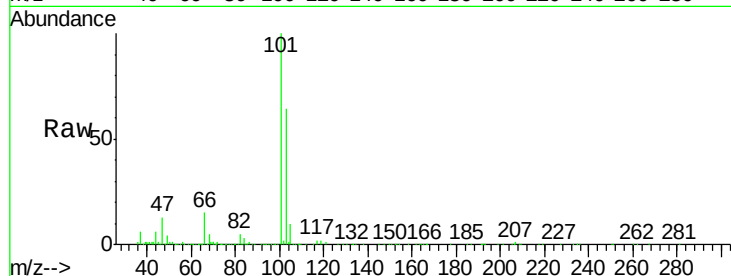
Trichlorofluoromethane
Concen: 18.638 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.0	76.6

Manual Integrations
APPROVED

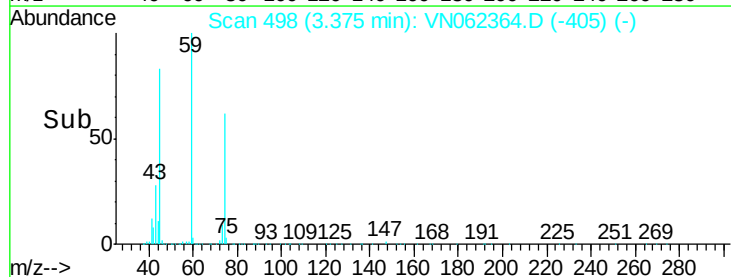
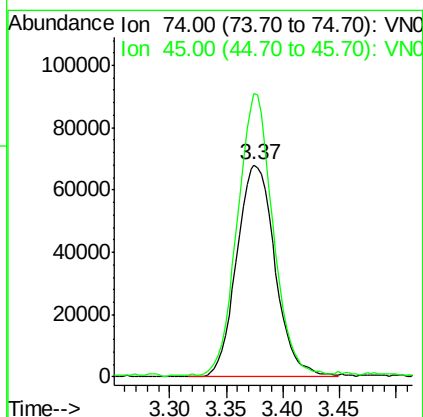
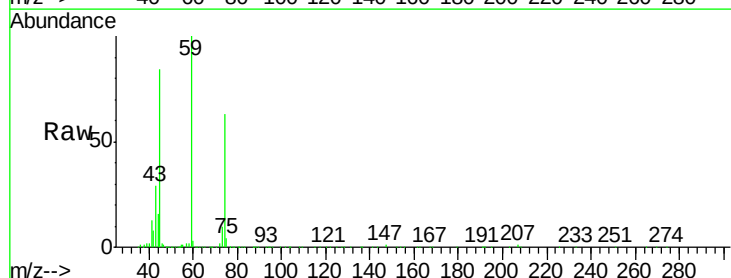
MMDadoda
7/7/2020 10:08:26 AM

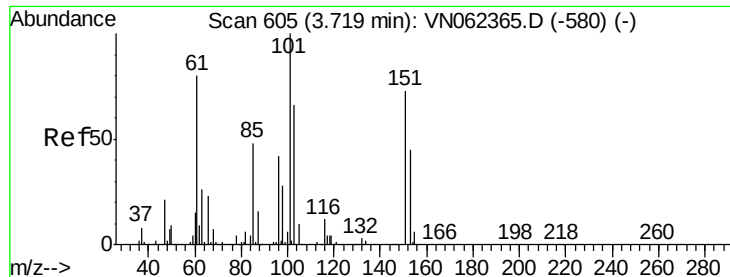


#8

Diethyl Ether
Concen: 19.458 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.9	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.067 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

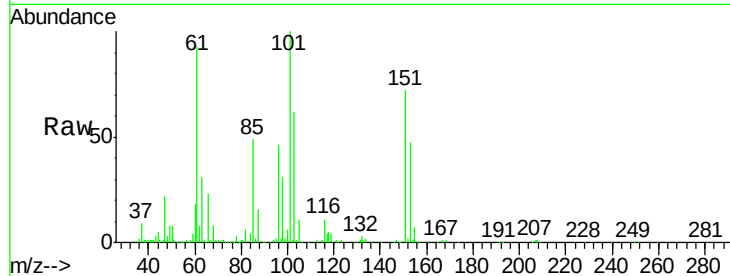
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	234619
Ion Ratio	Lower	Upper	
101	100		
85	49.9	38.6	57.8
151	71.8	58.3	87.5

Manual Integrations
APPROVED

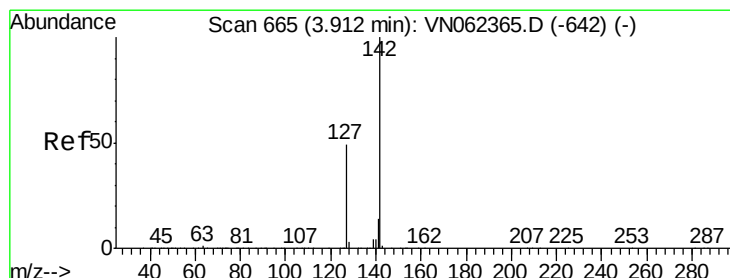
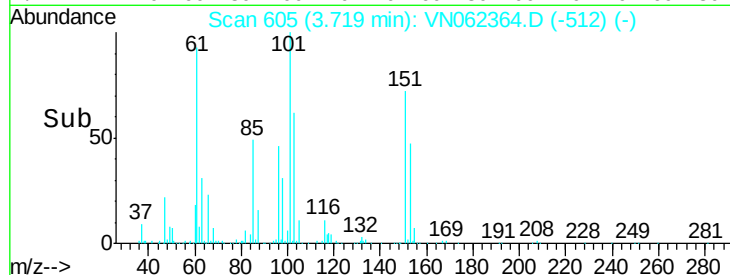
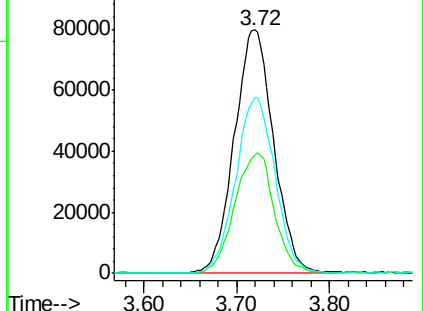
MMDadoda
7/7/2020 10:08:26 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.358 ug/l

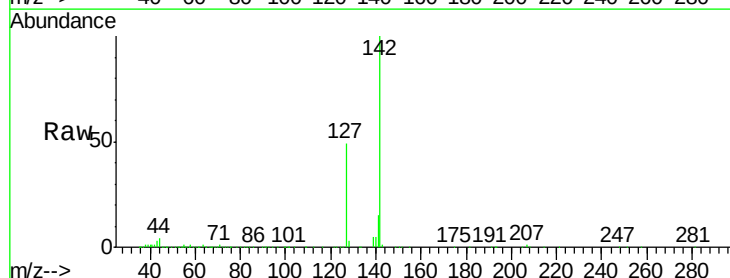
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

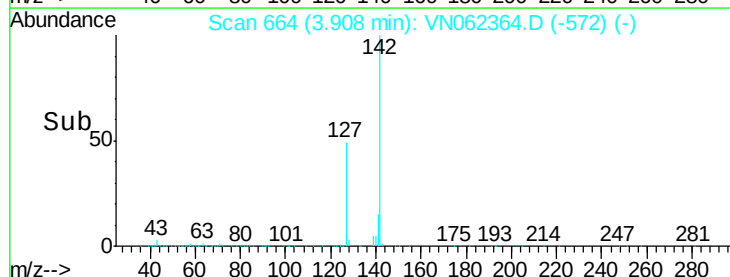
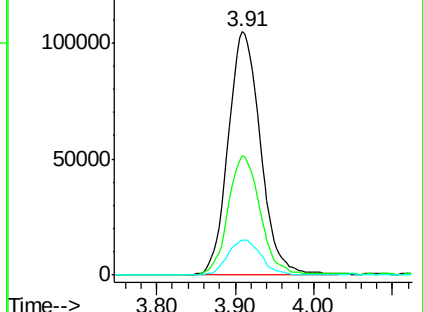
Tgt Ion:	142	Resp:	299935
Ion Ratio	Lower	Upper	
142	100		
127	48.6	41.0	61.6
141	15.0	11.8	17.8

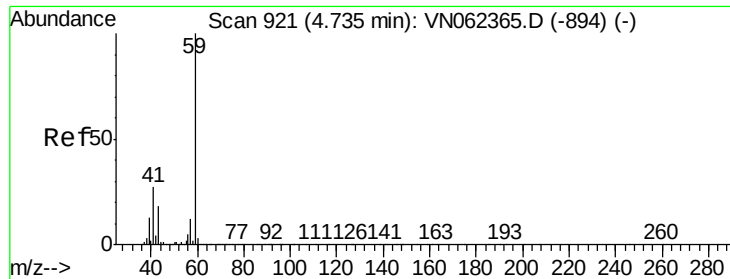


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

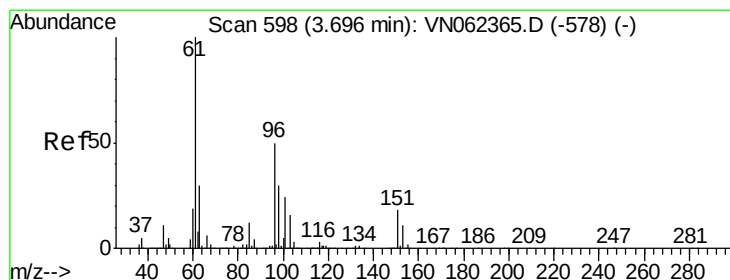
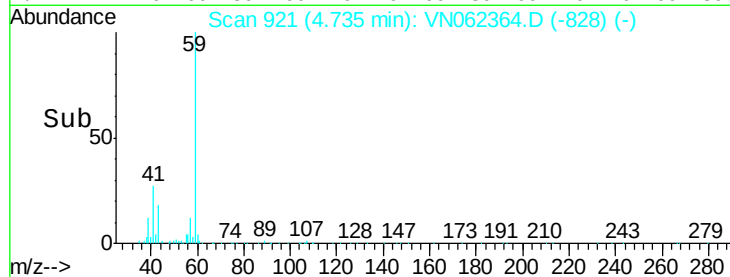
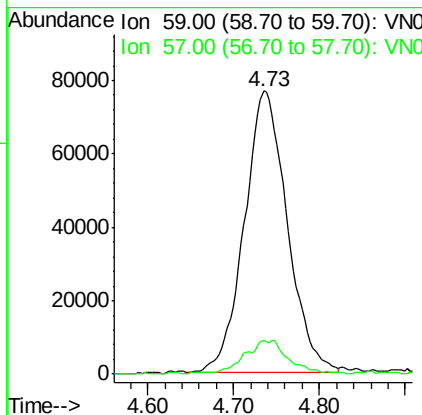
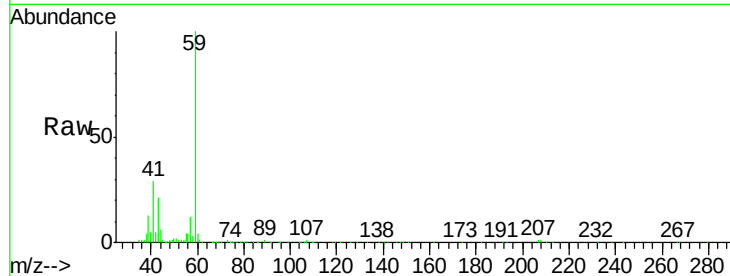
Tert butyl alcohol
 Concen: 115.114 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	2.8	8.5	12.7#

Manual Integrations
 APPROVED

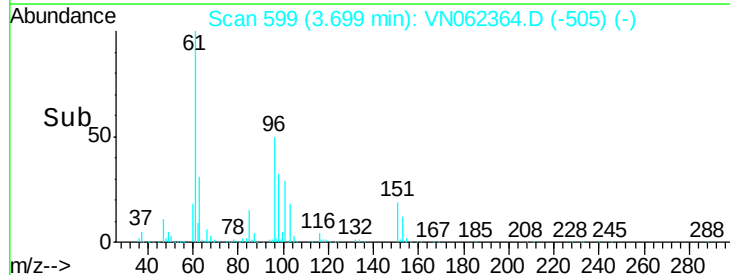
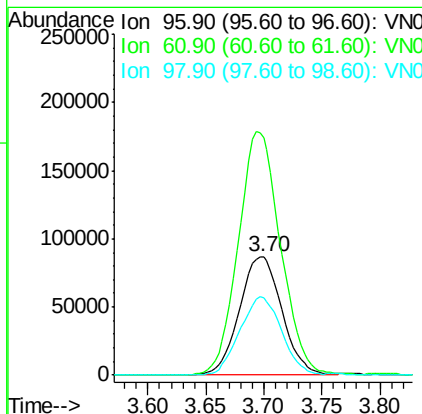
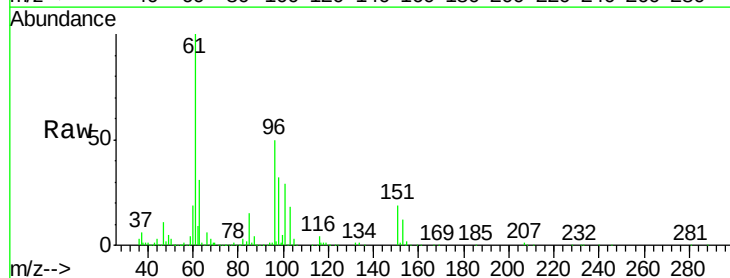
MMDadoda
 7/7/2020 10:08:26 AM

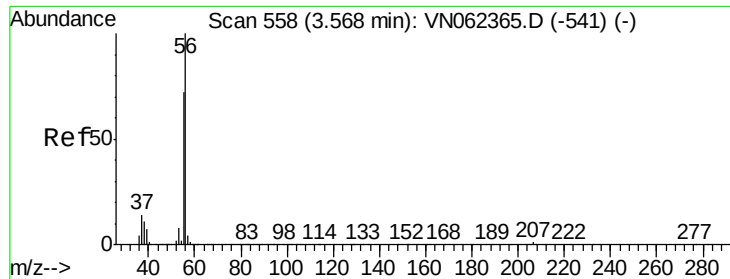


#12

1,1-Dichloroethene
 Concen: 17.956 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.5	161.4	242.0
98	65.2	48.8	73.2





#13

Acrolein

Concen: 56.467 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 109423

Ion Ratio Lower Upper

56 100

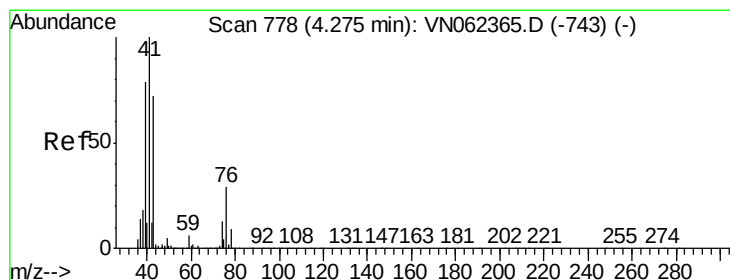
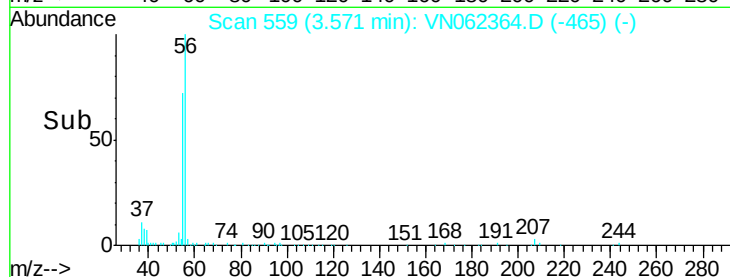
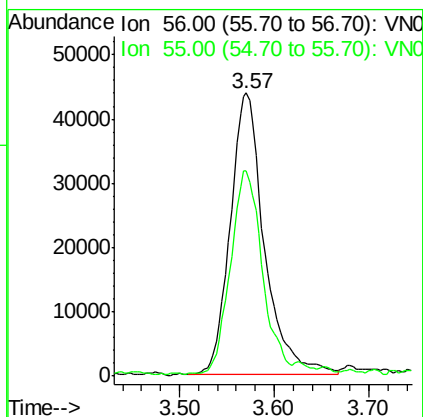
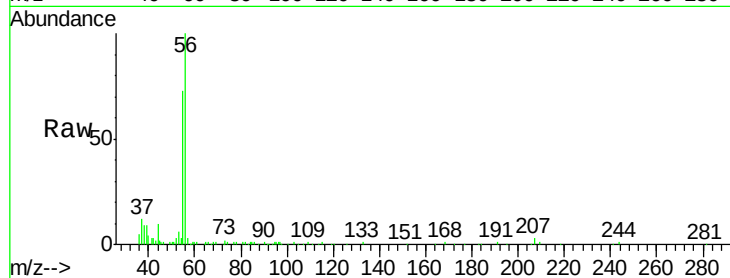
55 67.2 59.6 89.4

Manual Integrations

APPROVED

MMDadoda

7/7/2020 10:08:26 AM



#14

Allyl chloride

Concen: 29.519 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

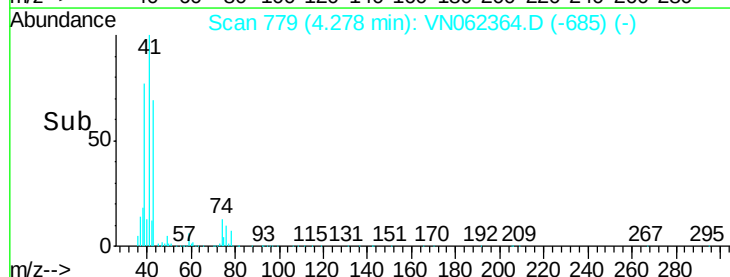
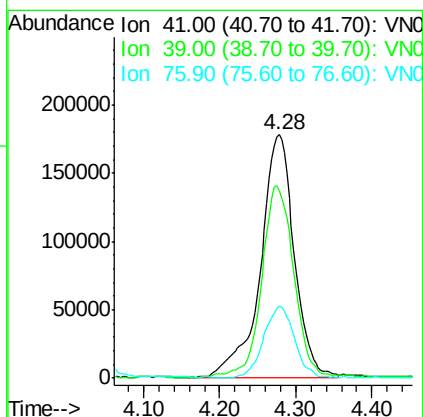
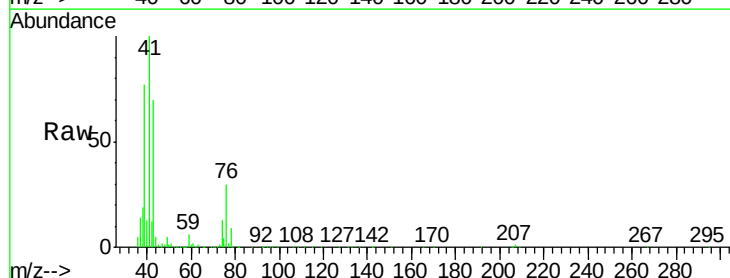
Tgt Ion: 41 Resp: 548159

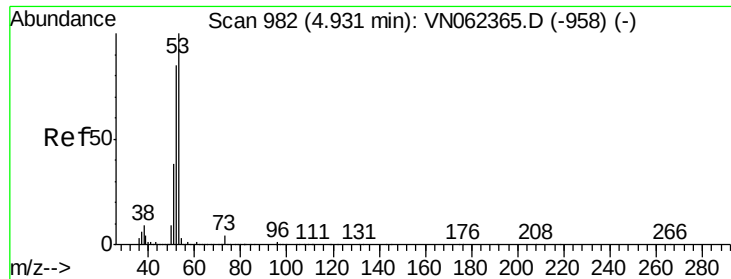
Ion Ratio Lower Upper

41 100

39 74.1 59.8 89.6

76 26.6 20.7 31.1





#15

Acrylonitrile

Concen: 119.231 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

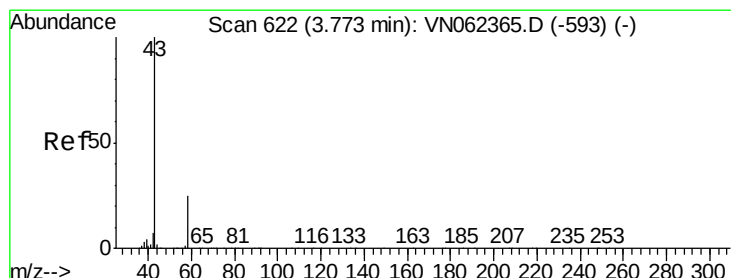
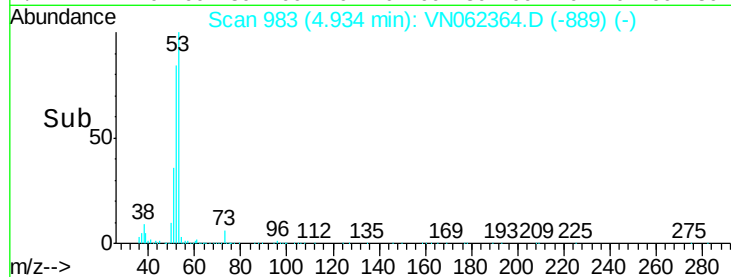
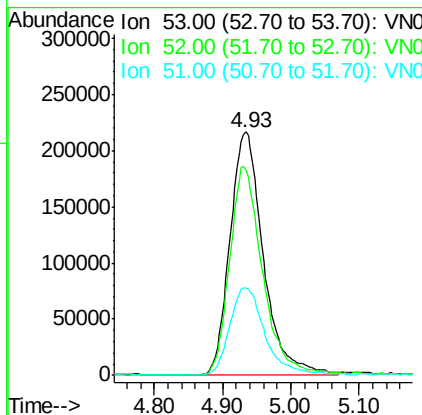
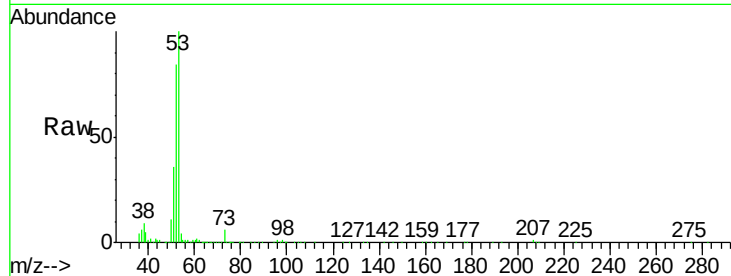
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	736120
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.6	101.4
51	37.5	30.6	45.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#16

Acetone

Concen: 154.540 ug/l

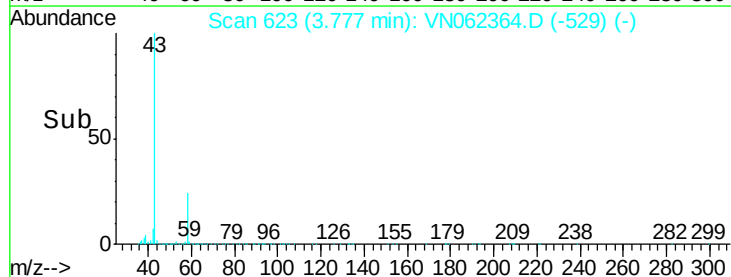
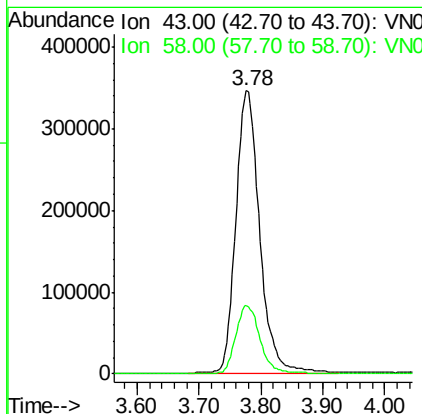
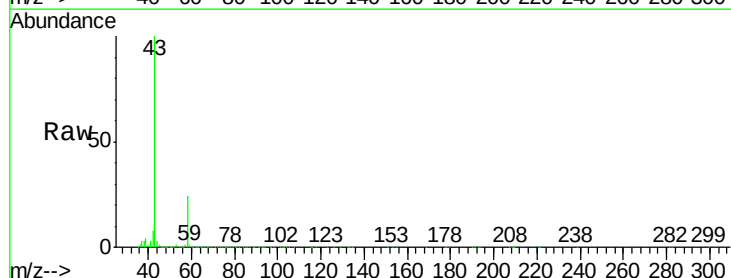
RT: 3.78 min Scan# 623

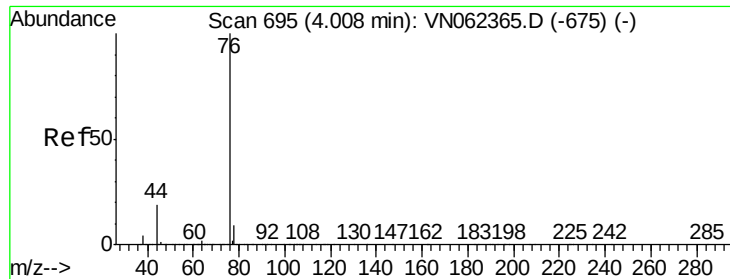
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	43	Resp:	927802
Ion	Ratio	Lower	Upper
43	100		
58	24.3	19.8	29.8





#17

Carbon Disulfide

Concen: 17.409 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 678932

Ion Ratio Lower Upper

76 100

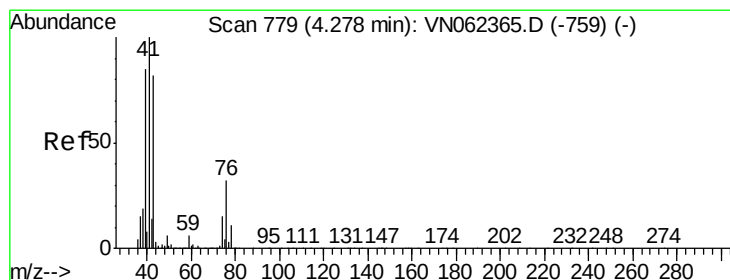
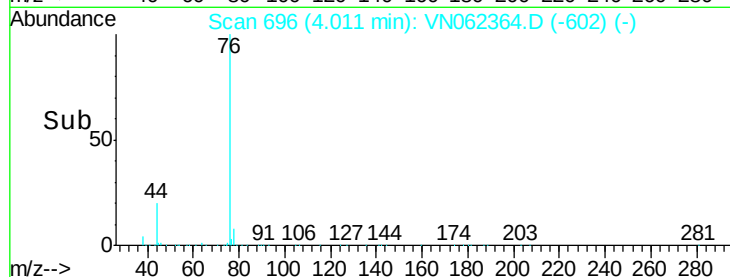
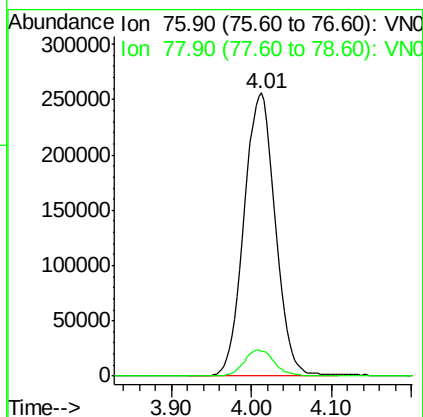
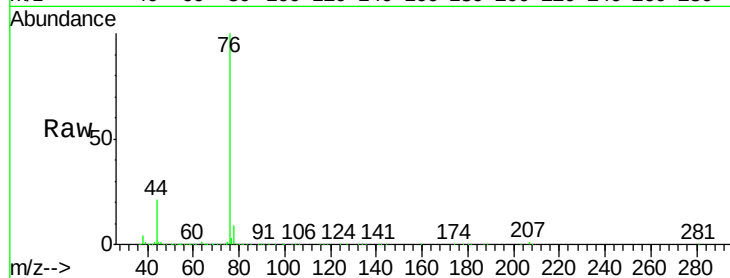
78 8.8 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

7/7/2020 10:08:26 AM



#18

Methyl Acetate

Concen: 27.662 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062364.D

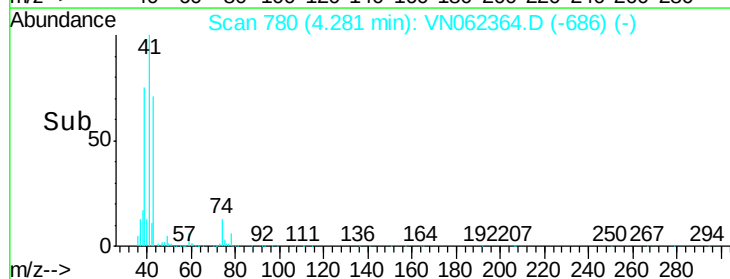
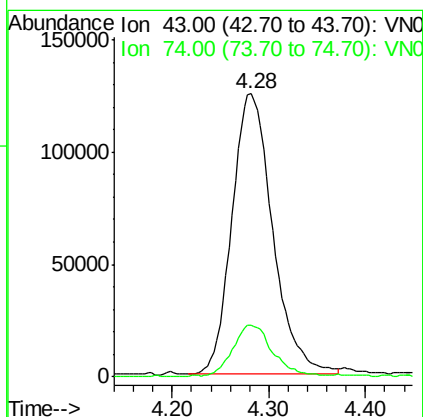
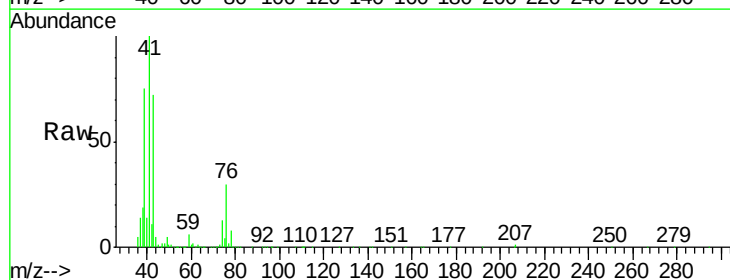
Acq: 6 Jul 2020 13:14

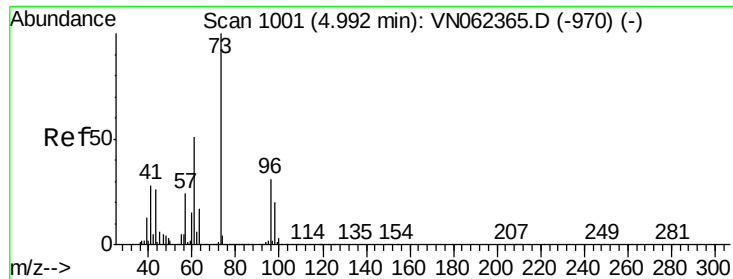
Tgt Ion: 43 Resp: 366047

Ion Ratio Lower Upper

43 100

74 17.6 14.2 21.4





#19

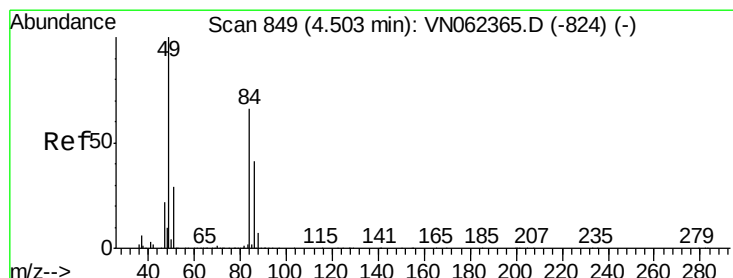
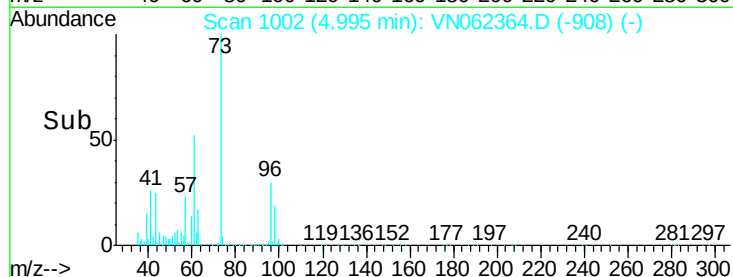
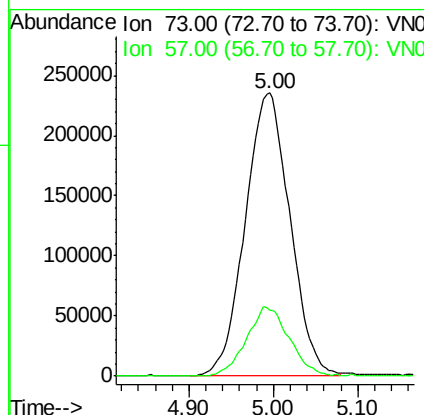
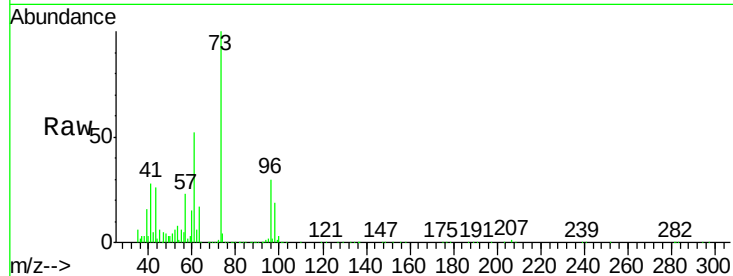
Methyl tert-butyl Ether
 Concen: 21.458 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	73	Resp	862999
Ion Ratio	Lower	Upper	
73	100		
57	23.1	18.9	28.3

Manual Integrations
 APPROVED

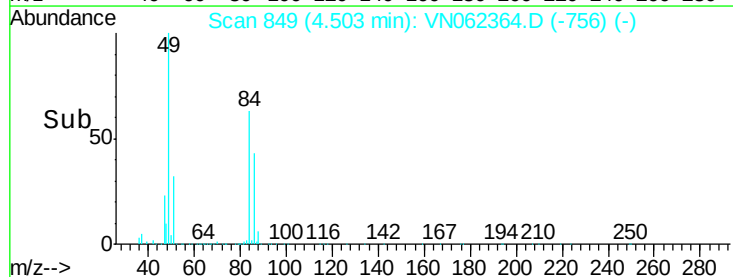
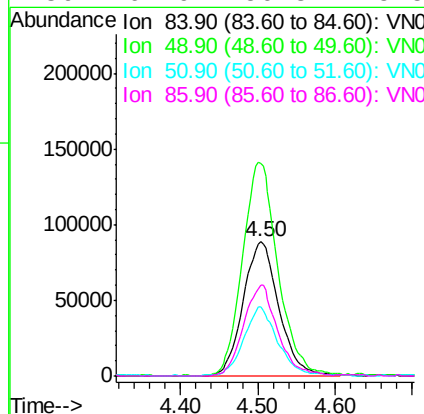
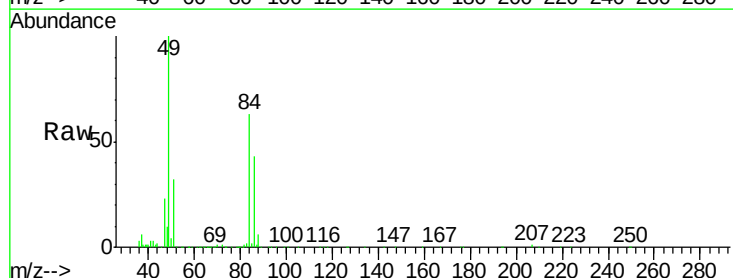
MMDadoda
 7/7/2020 10:08:26 AM

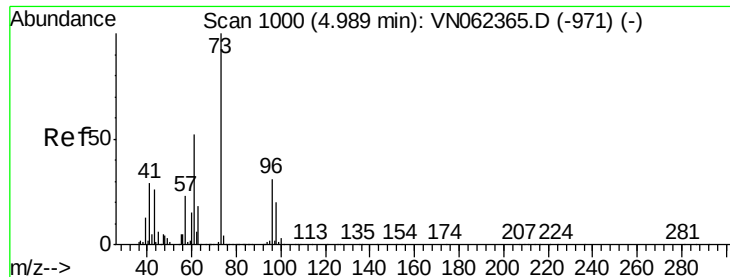


#20

Methylene Chloride
 Concen: 18.847 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	84	Resp	285477
Ion Ratio	Lower	Upper	
84	100		
49	158.1	121.8	182.6
51	51.3	35.0	52.4
86	67.9	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 17.226 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

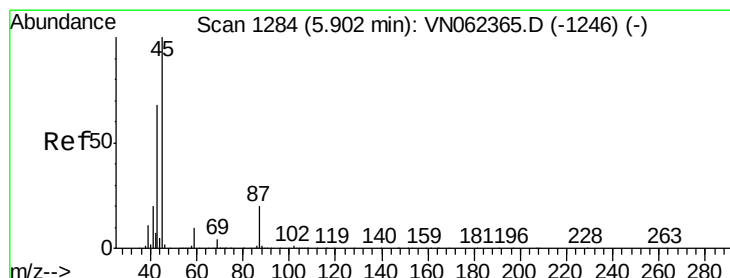
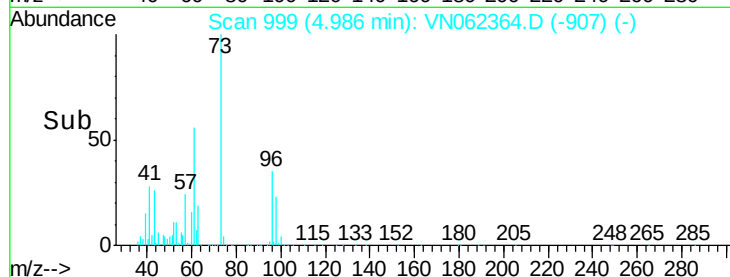
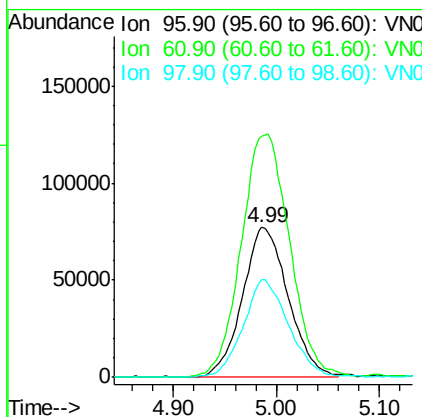
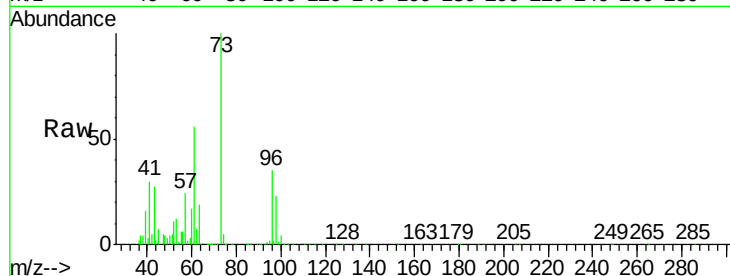
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	238554
Ion	Ratio	Lower	Upper
96	100		
61	160.0	134.7	202.1
98	64.6	52.2	78.4

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#22

Diisopropyl ether

Concen: 26.830 ug/l

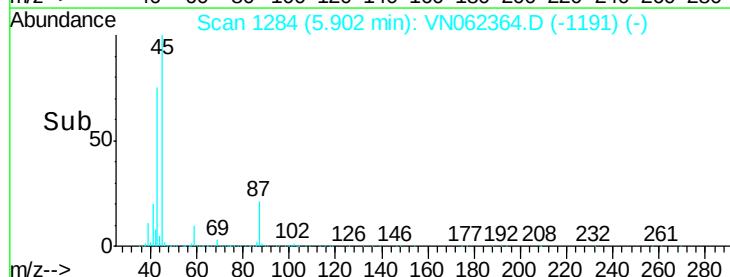
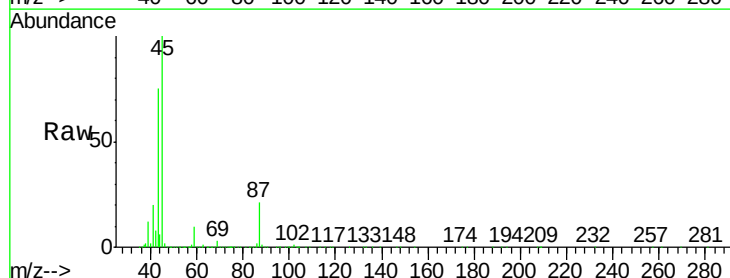
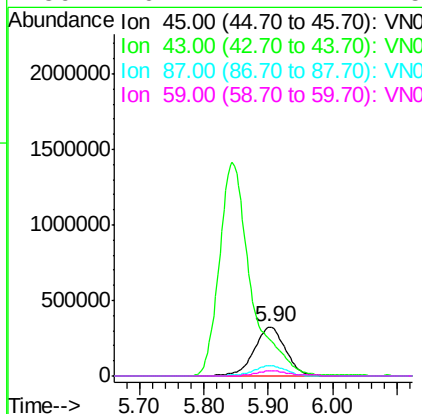
RT: 5.90 min Scan# 1284

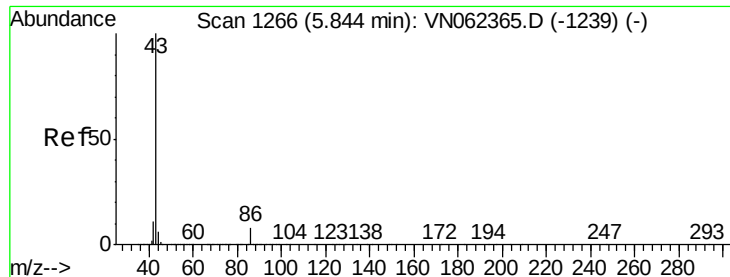
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	45	Resp:	1110502
Ion	Ratio	Lower	Upper
45	100		
43	74.6	54.6	81.8
87	20.8	16.6	24.8
59	10.1	7.7	11.5





#23

Vinyl Acetate

Concen: 142.008 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 4784225

Ion Ratio Lower Upper

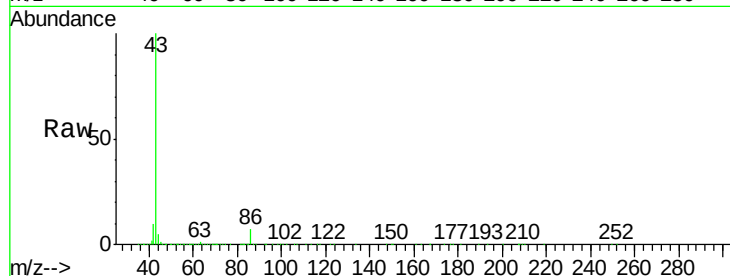
43 100

86 7.5 6.6 9.8

Manual Integrations
APPROVED

MMDadoda

7/7/2020 10:08:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1500000

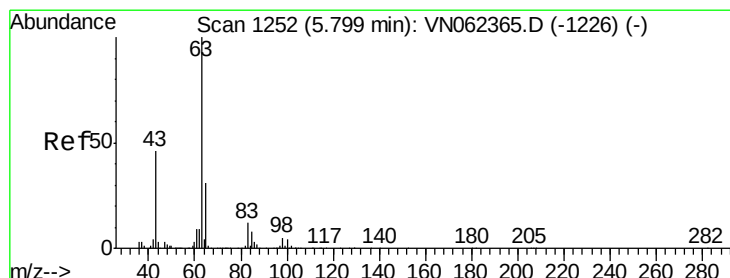
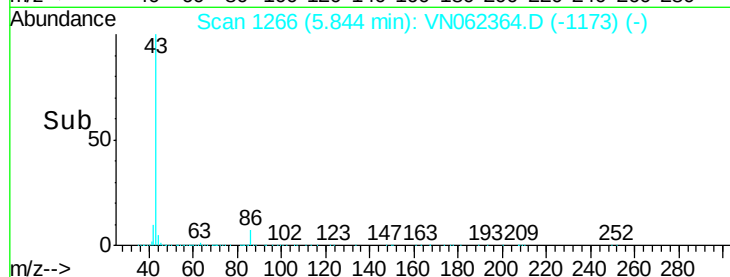
1000000

500000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.355 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

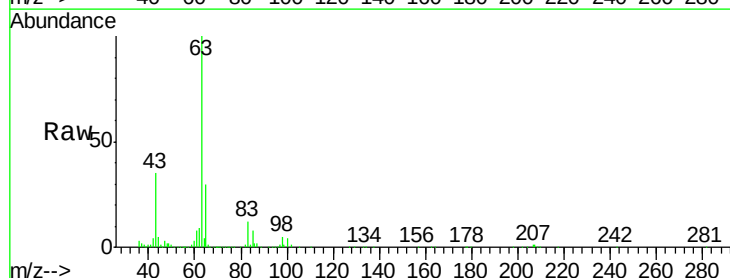
Tgt Ion: 63 Resp: 539049

Ion Ratio Lower Upper

63 100

98 5.3 2.6 7.8

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

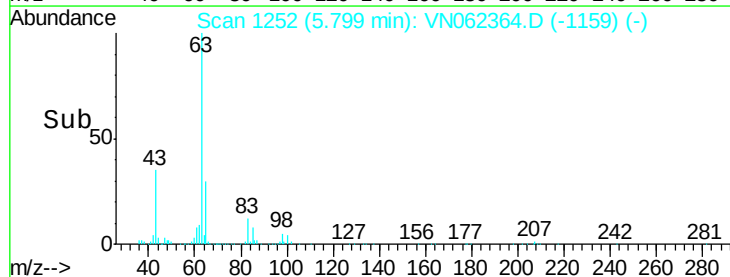
100000

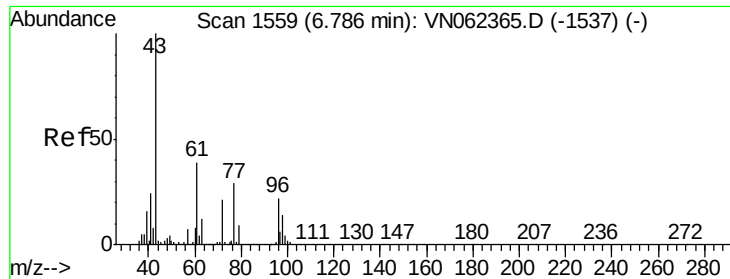
50000

0

5.70 5.80 5.90

Time-->





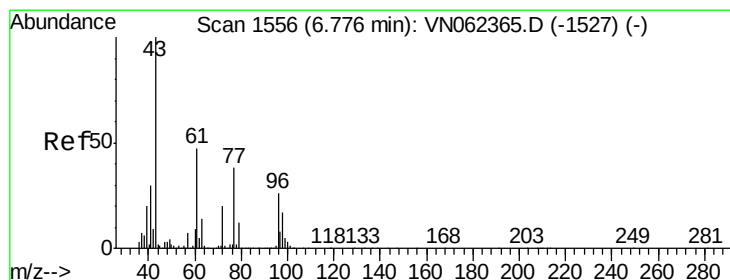
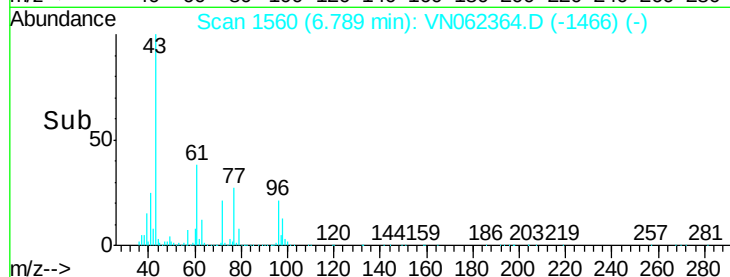
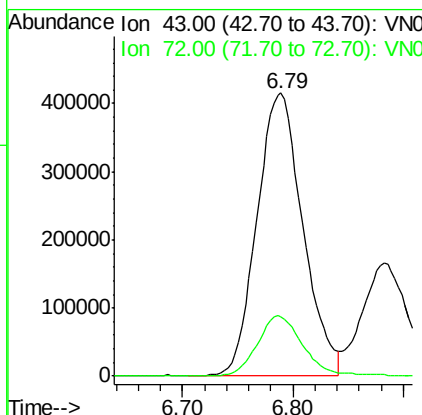
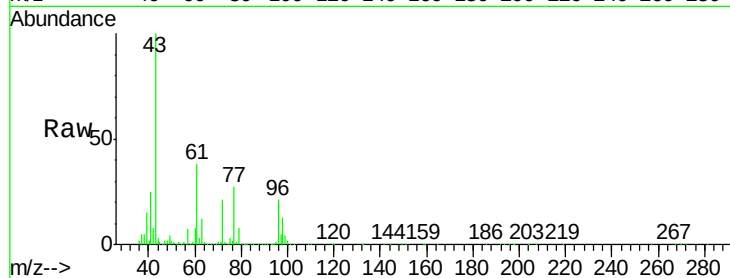
#25
2-Butanone
Concen: 147.214 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1194668
Ion Ratio Lower Upper
43 100
72 21.0 16.4 24.6

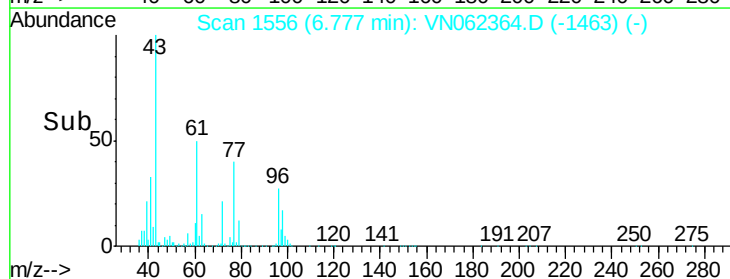
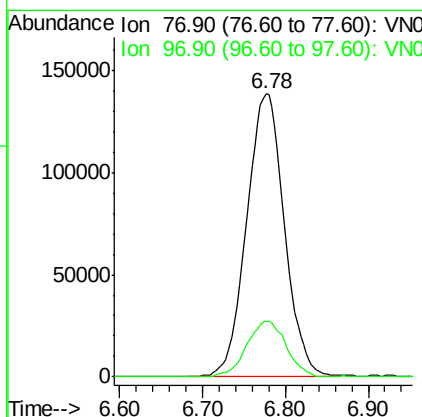
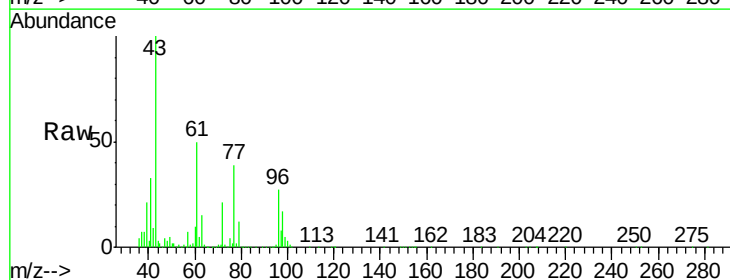
Manual Integrations
APPROVED

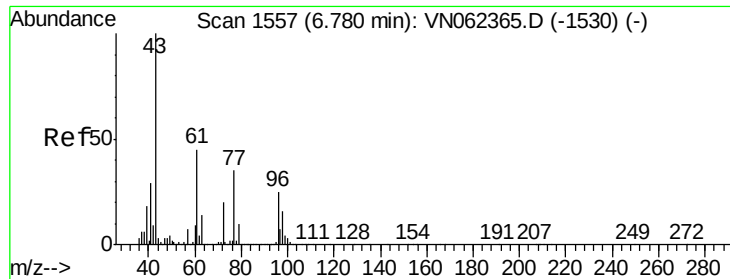
MMDadoda
7/7/2020 10:08:26 AM



#26
2,2-Dichloropropane
Concen: 21.031 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 77 Resp: 438801
Ion Ratio Lower Upper
77 100
97 20.3 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 18.256 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

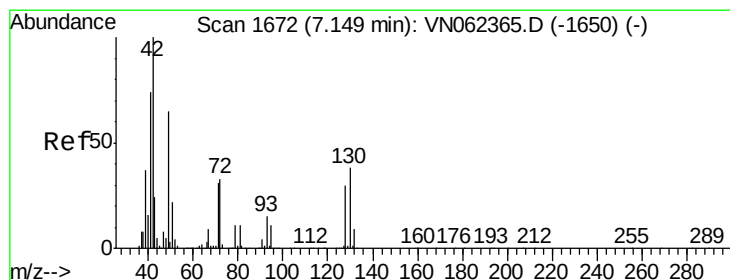
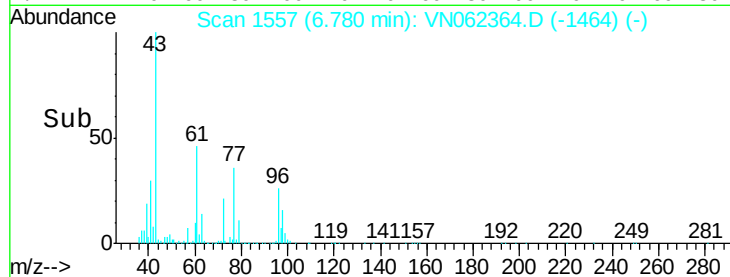
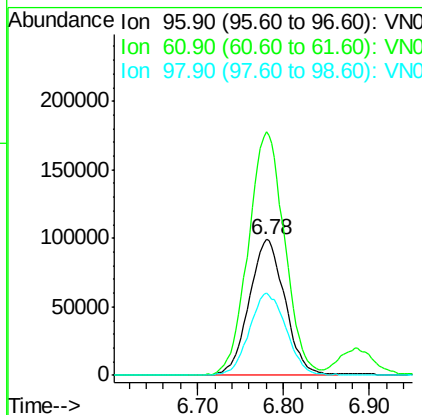
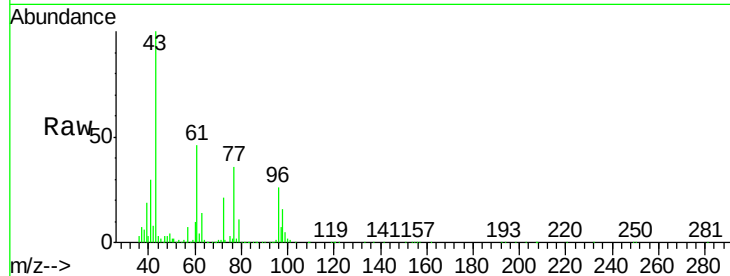
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	285890
Ion Ratio	Lower	Upper	
96	100		
61	182.6	0.0	358.8
98	62.4	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#28

Bromochloromethane

Concen: 26.442 ug/l

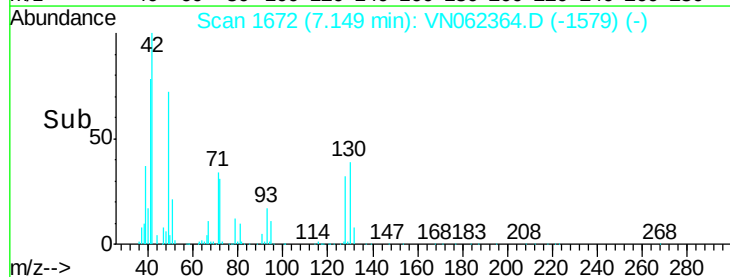
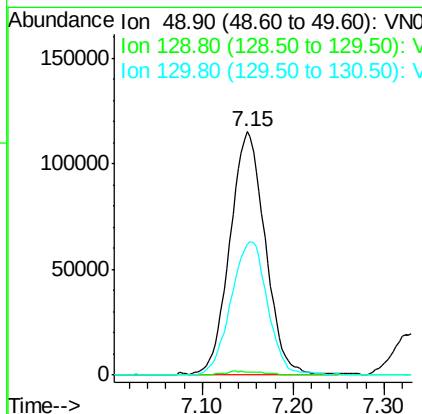
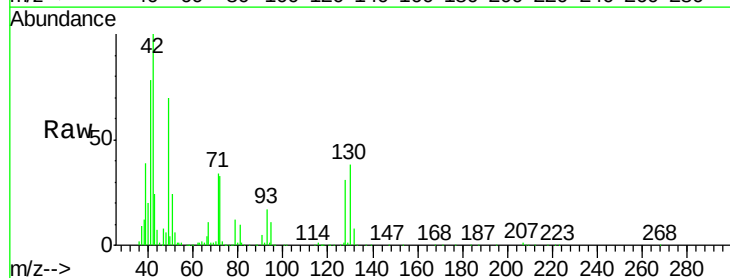
RT: 7.15 min Scan# 1672

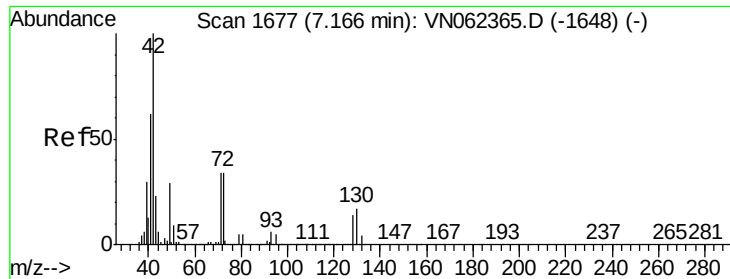
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	49	Resp:	307070
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	57.6	45.8	68.8





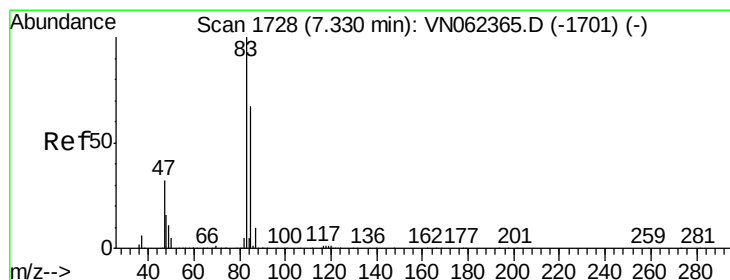
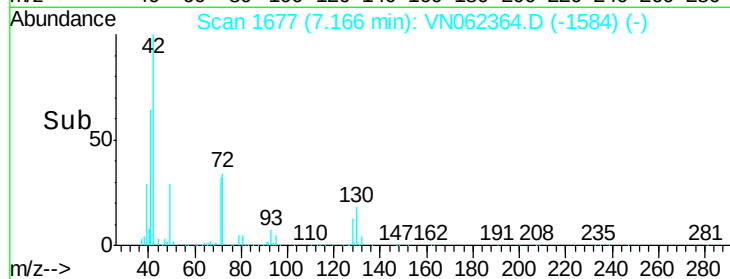
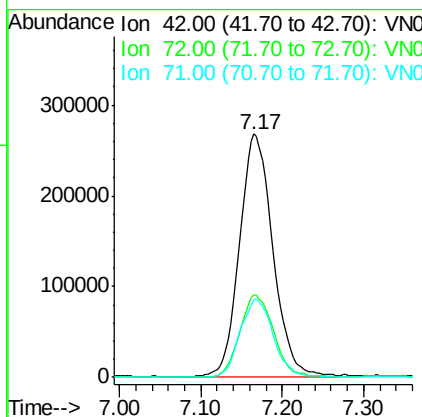
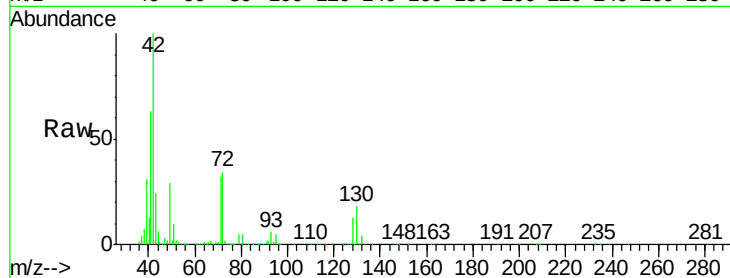
#29
Tetrahydrofuran
Concen: 142.122 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	26.8	40.2
71	32.2	26.0	39.0

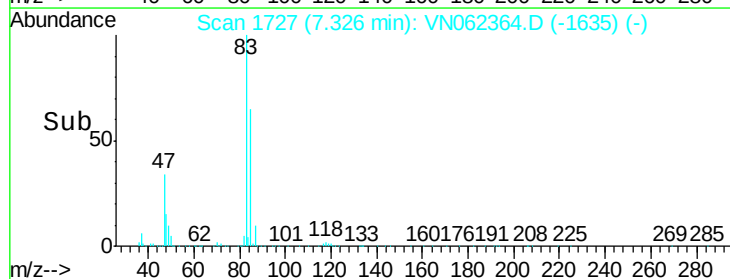
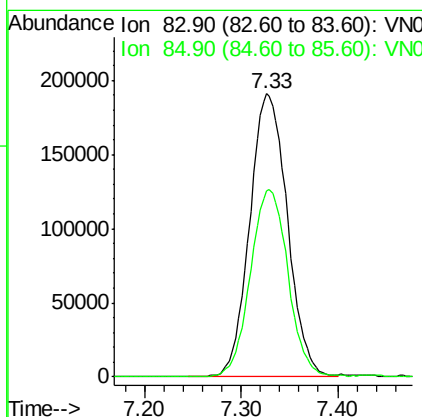
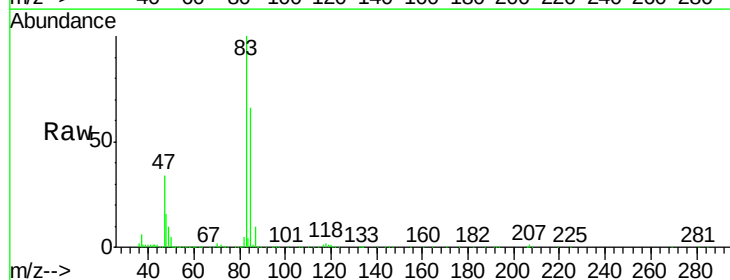
Manual Integrations
APPROVED

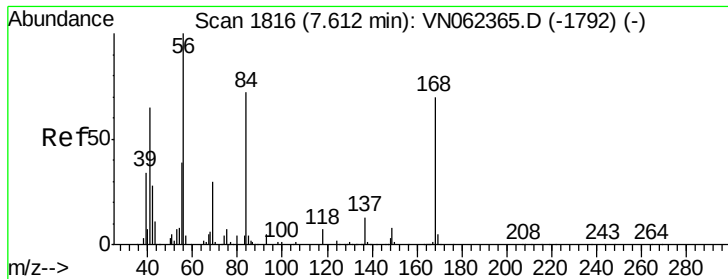
MMDadoda
7/7/2020 10:08:26 AM



#30
Chloroform
Concen: 20.373 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.6	80.4





#31

Cyclohexane

Concen: 22.858 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

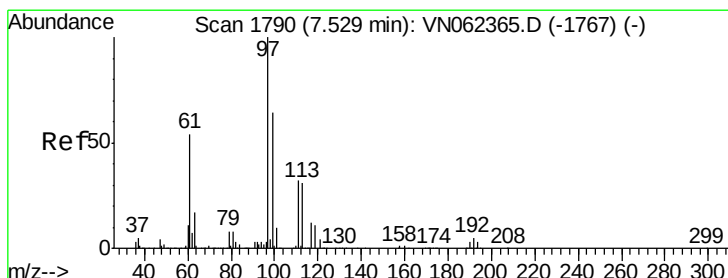
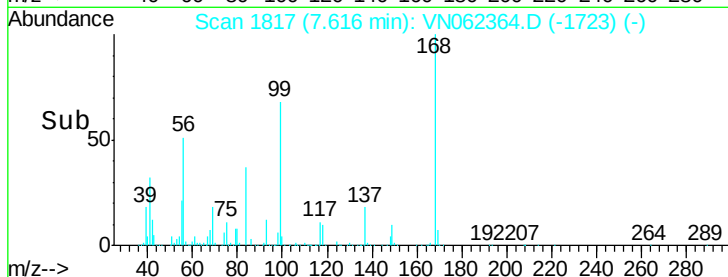
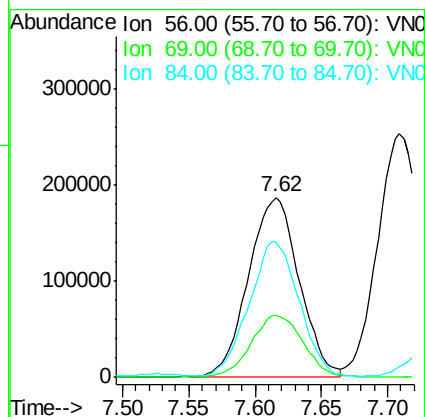
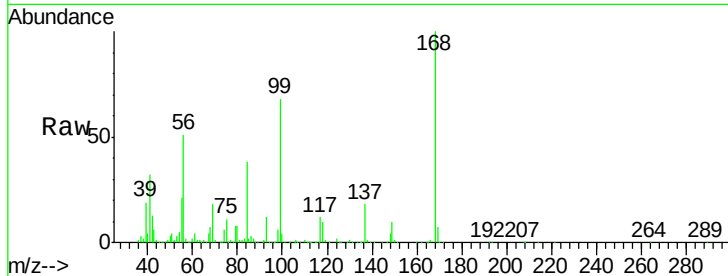
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	495444
Ion	Ratio	Lower	Upper
56	100		
69	34.6	23.7	35.5
84	73.9	57.2	85.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#32

1,1,1-Trichloroethane

Concen: 20.625 ug/l

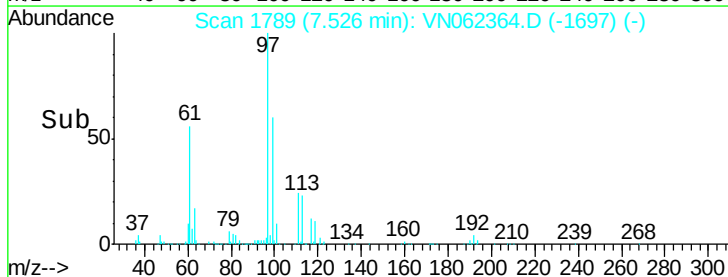
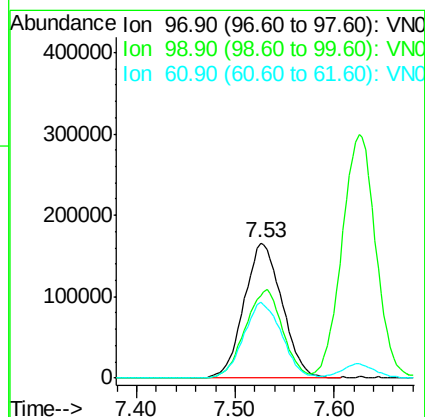
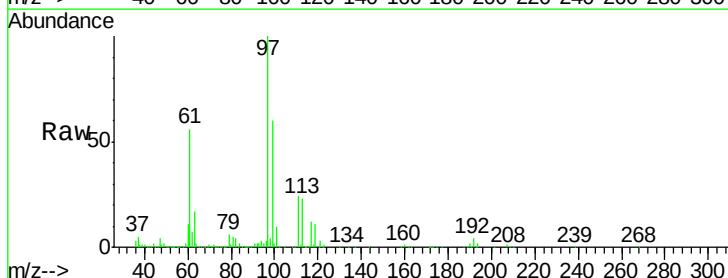
RT: 7.53 min Scan# 1789

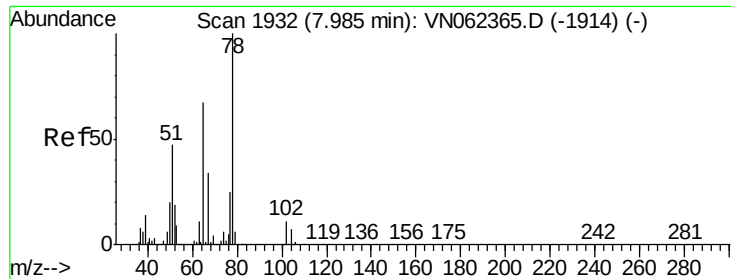
Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	97	Resp:	440920
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	55.7	42.5	63.7





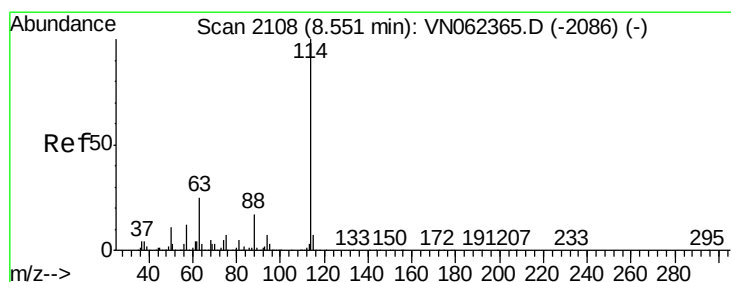
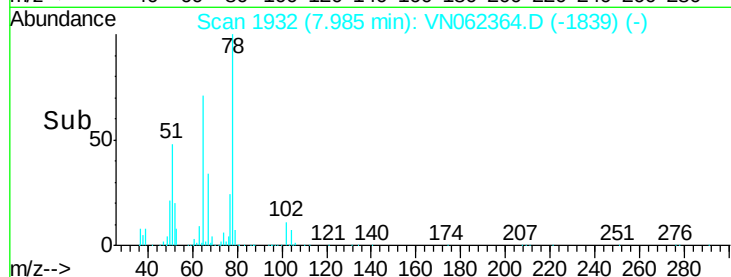
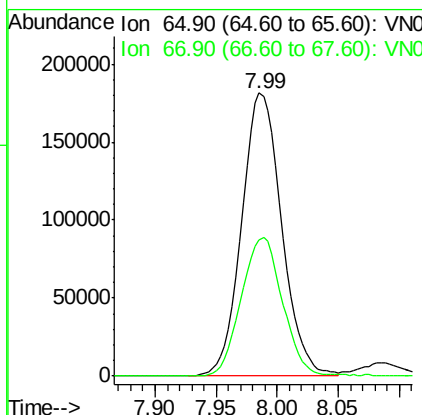
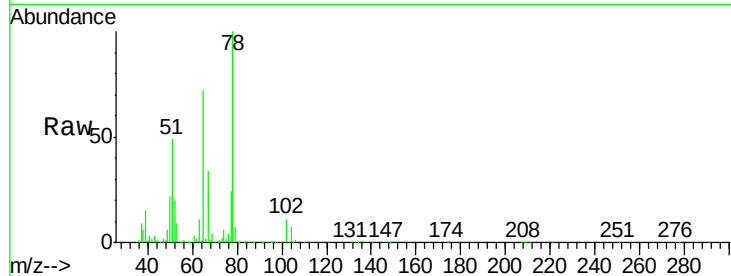
#33
 1,2-Dichloroethane-d4
 Concen: 25.206 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	101.0	

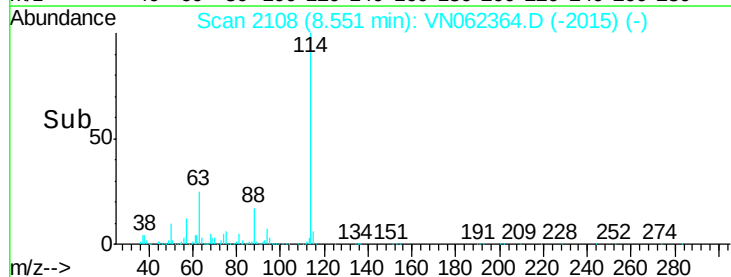
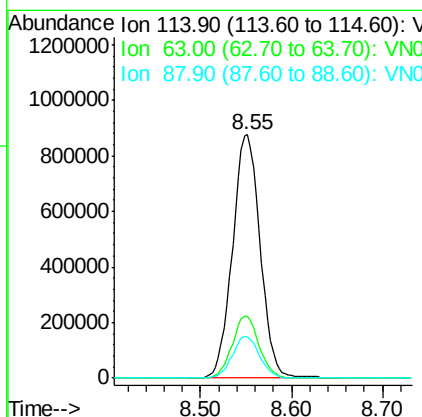
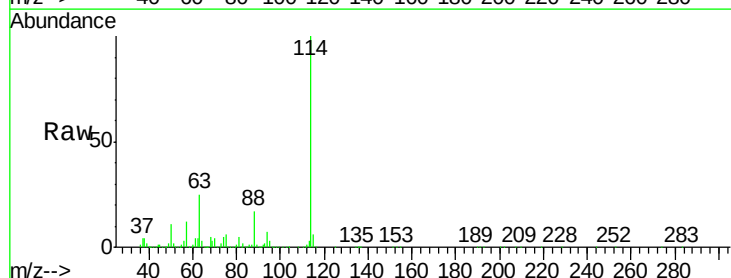
Manual Integrations
 APPROVED

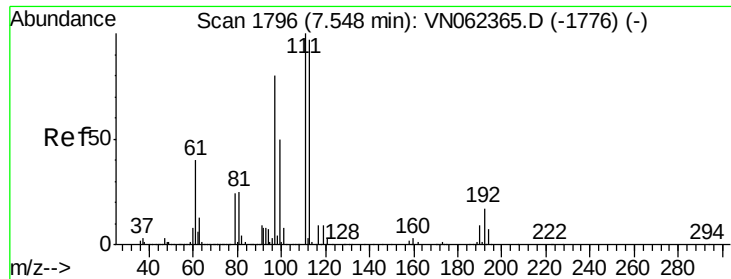
MMDadoda
 7/7/2020 10:08:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.2	0.0	49.0	
88	16.9	0.0	34.0	





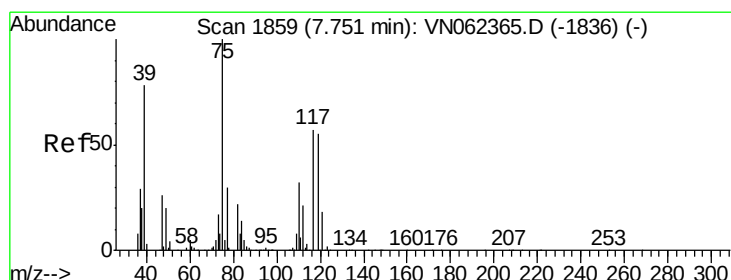
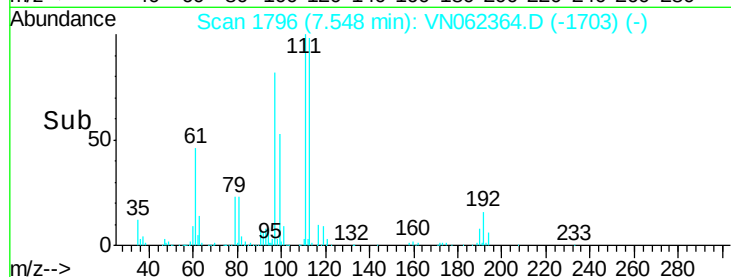
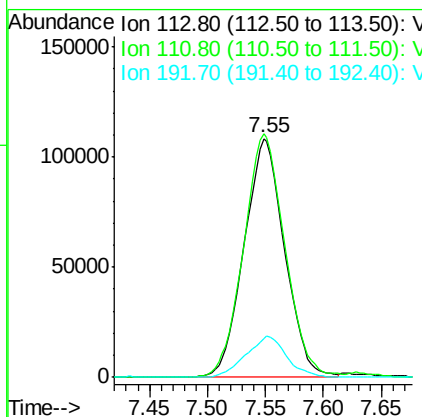
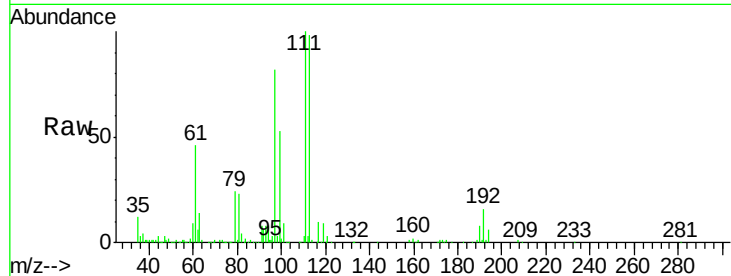
#35
 Dibromofluoromethane
 Concen: 21.474 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.2	124.8
192	17.4	14.2	21.2

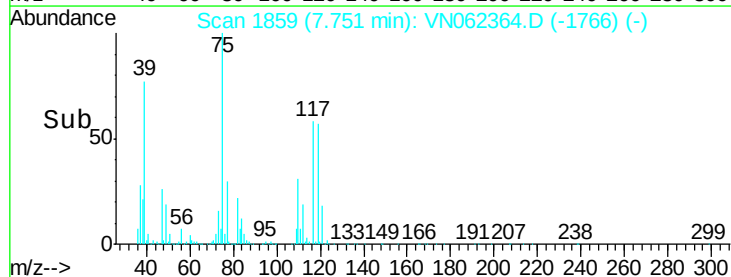
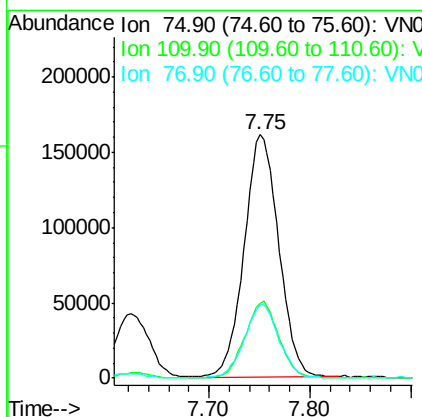
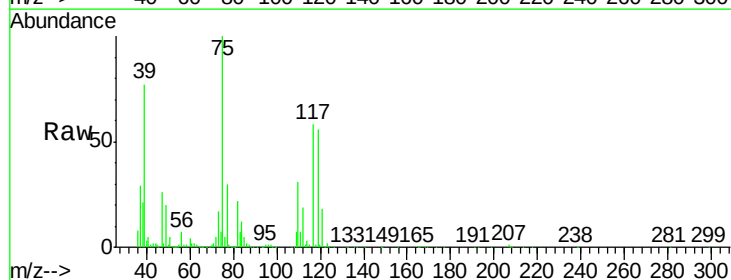
Manual Integrations
 APPROVED

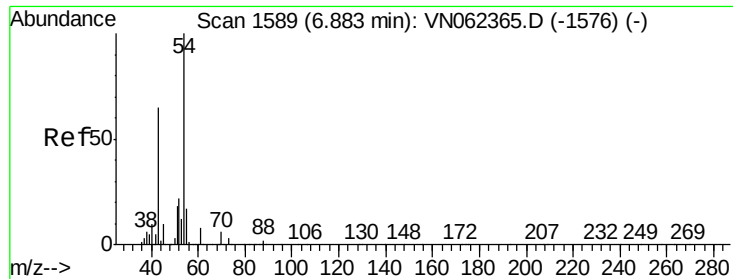
MMDadoda
 7/7/2020 10:08:26 AM



#36
 1,1-Dichloropropene
 Concen: 20.265 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.7	47.1
77	30.1	24.3	36.5





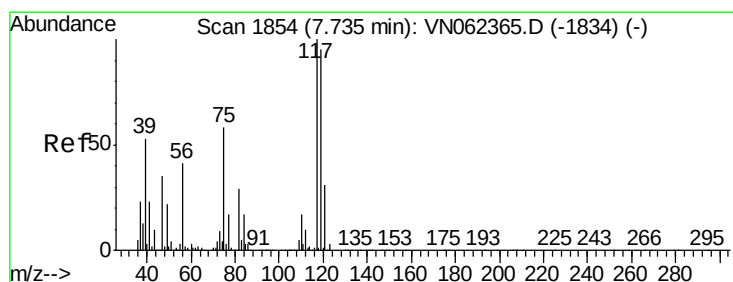
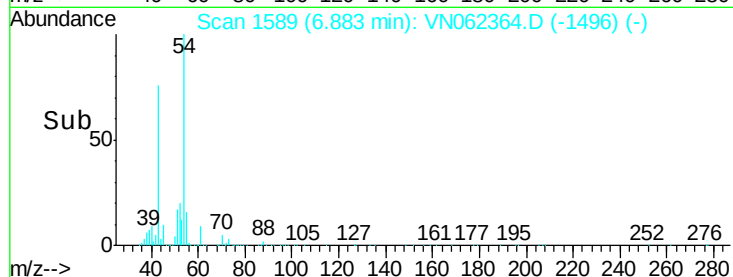
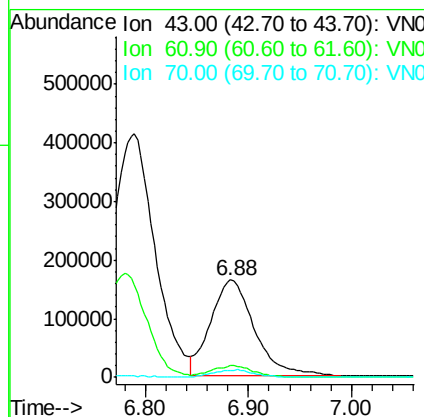
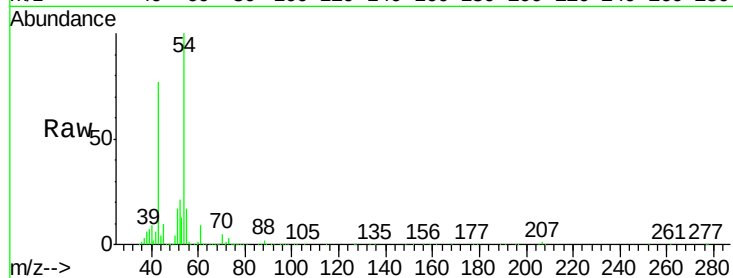
#37
Ethyl Acetate
Concen: 28.654 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	8.8	13.2
70	7.0	6.2	9.4

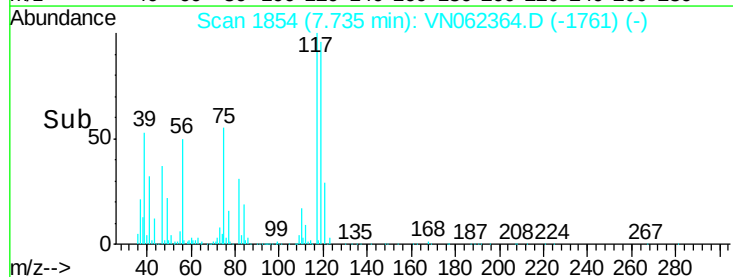
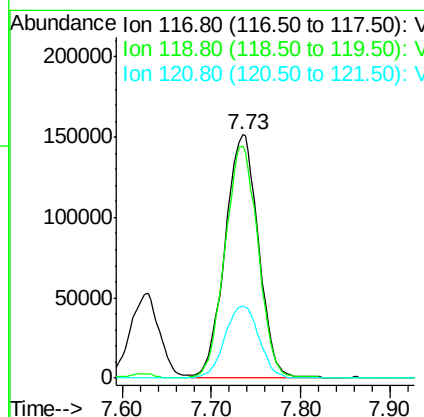
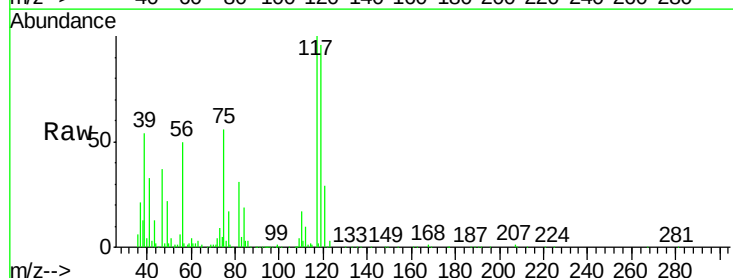
Manual Integrations
APPROVED

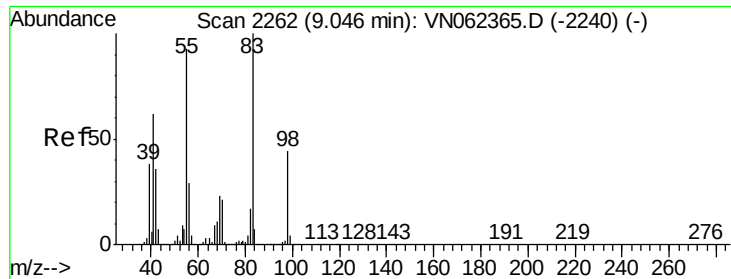
MMDadoda
7/7/2020 10:08:26 AM



#38
Carbon Tetrachloride
Concen: 21.954 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.9	113.9
121	29.3	24.6	36.8





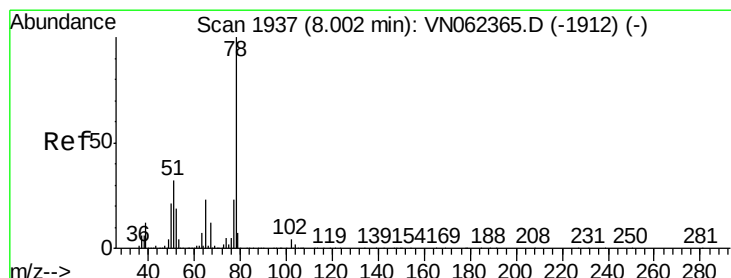
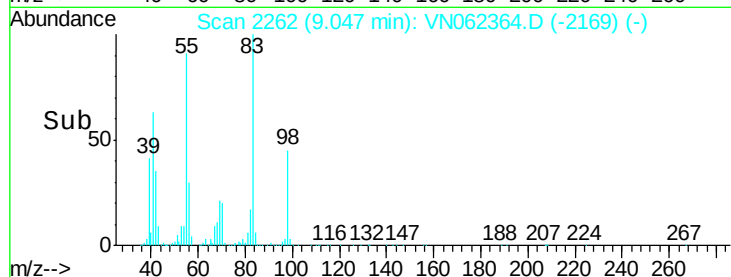
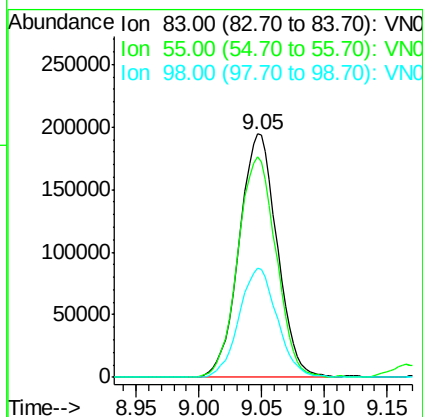
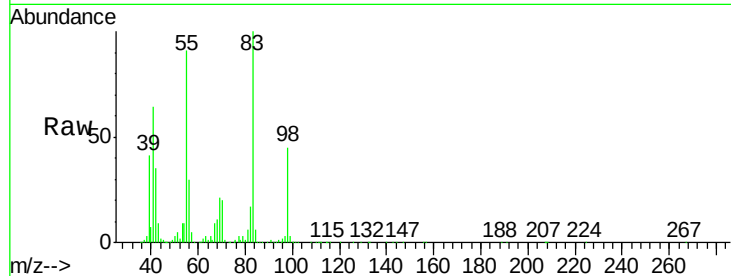
#39
Methylvlcyclohexane
Concen: 19.832 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	74.1	111.1
98	44.6	35.6	53.4

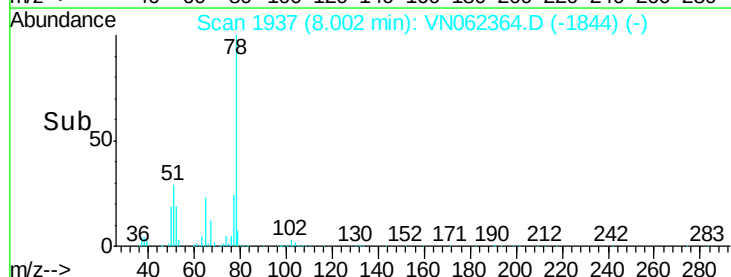
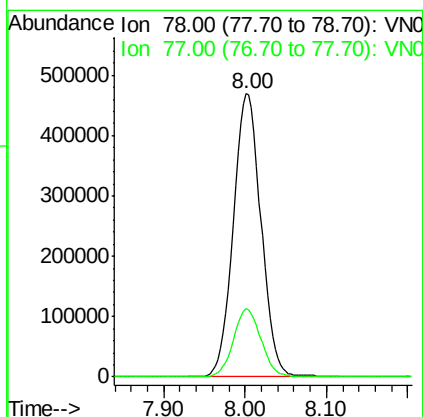
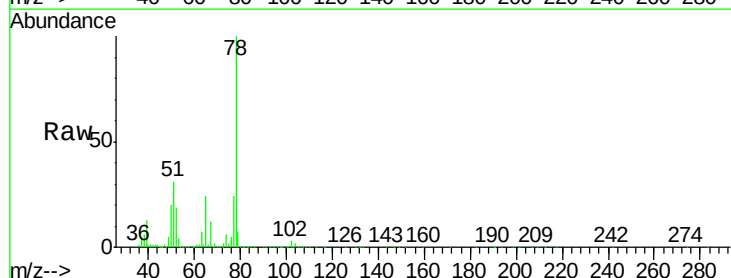
Manual Integrations
APPROVED

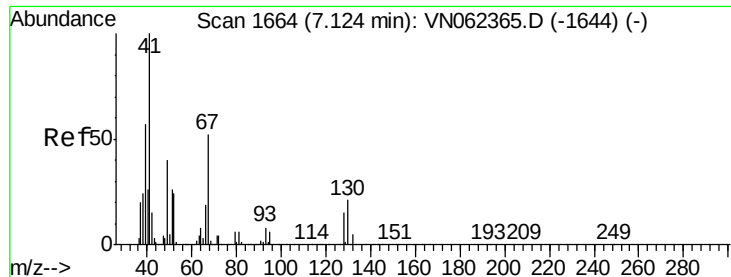
MMDadoda
7/7/2020 10:08:26 AM



#40
Benzene
Concen: 19.536 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0





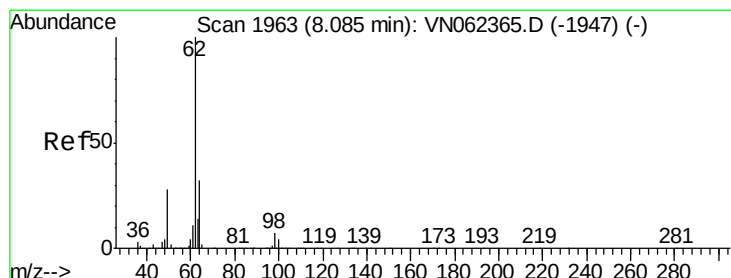
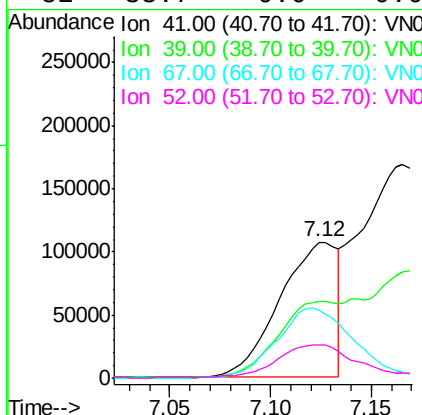
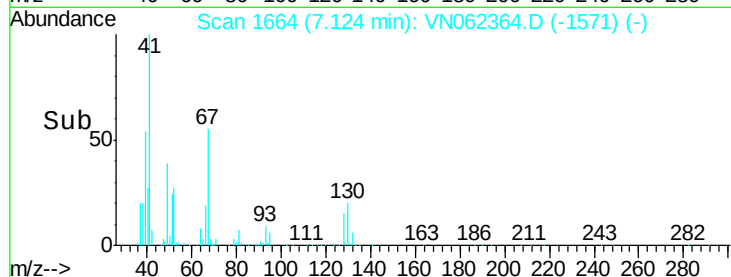
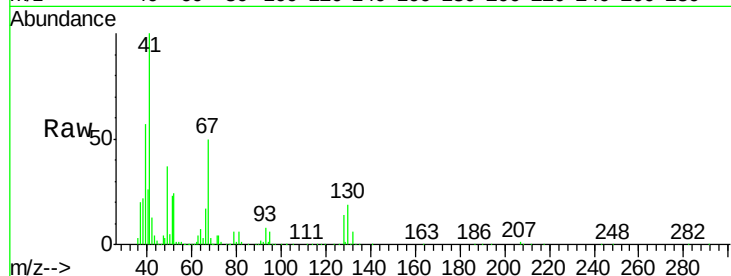
#41
Methacrylonitrile
Concen: 27.741 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	57.0	0.0	0.0#		
67	70.4	0.0	0.0#		
52	33.7	0.0	0.0#		

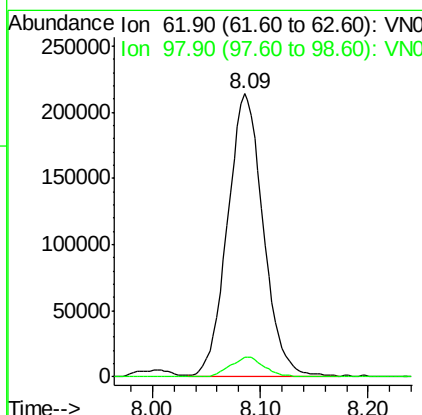
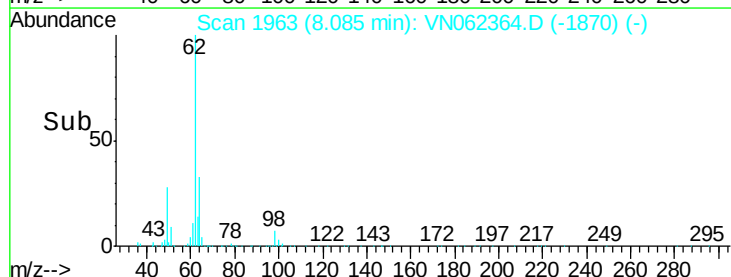
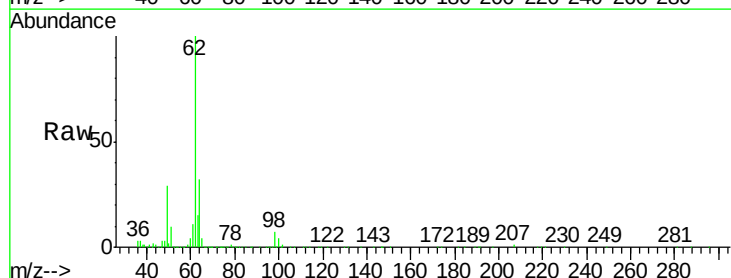
Manual Integrations
APPROVED

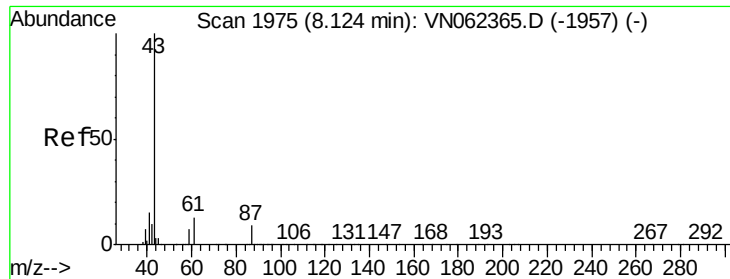
MMDadoda
7/7/2020 10:08:26 AM



#42
1,2-Dichloroethane
Concen: 24.400 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	6.9	0.0	13.4		





#43

Isopropyl Acetate

Concen: 28.557 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

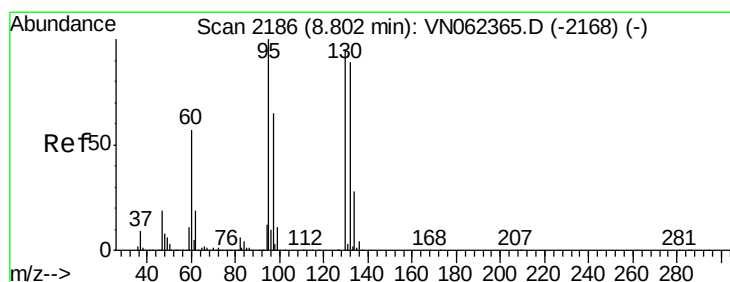
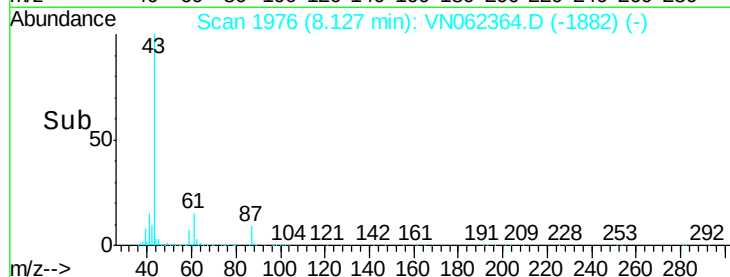
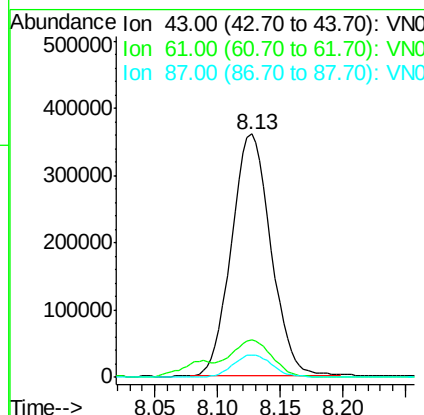
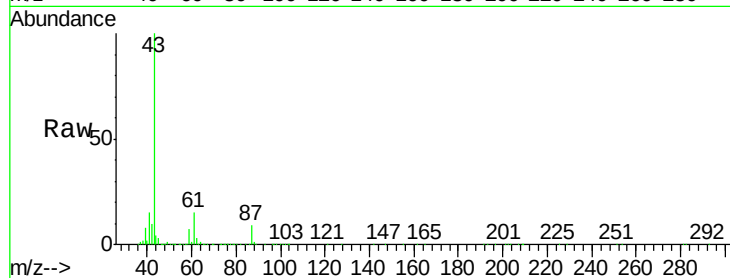
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	790060
Ion	Ratio	Lower	Upper
43	100		
61	16.2	13.1	19.7
87	9.4	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#44

Trichloroethene

Concen: 18.058 ug/l

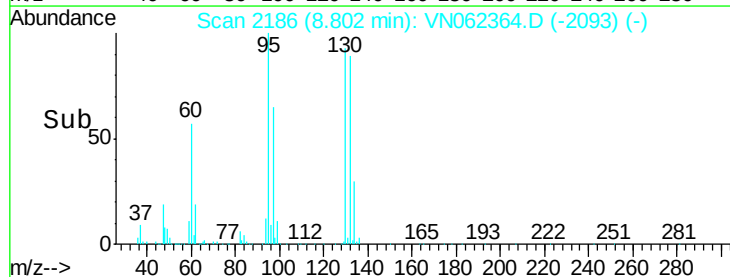
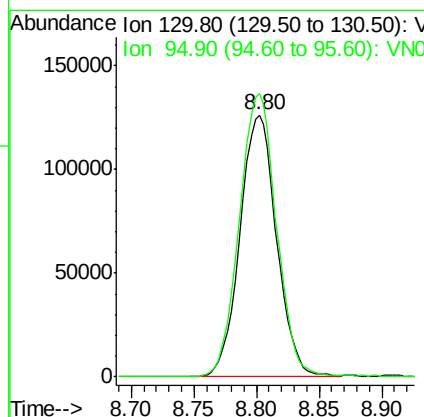
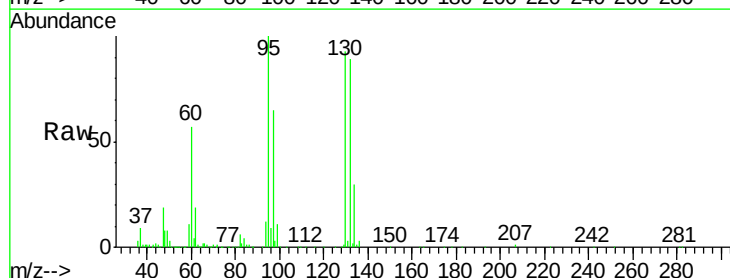
RT: 8.80 min Scan# 2186

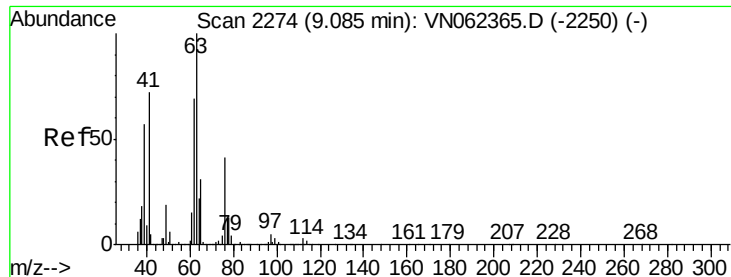
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	130	Resp:	256131
Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	209.8





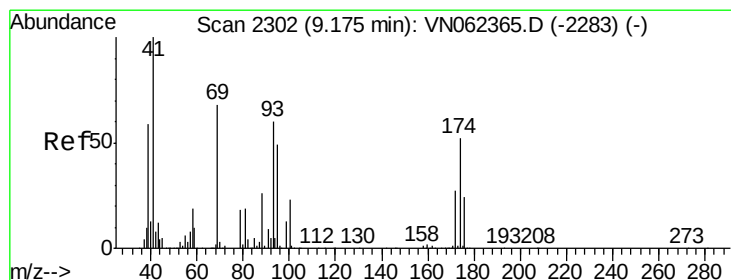
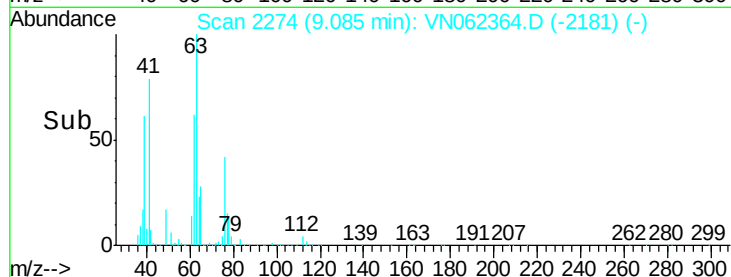
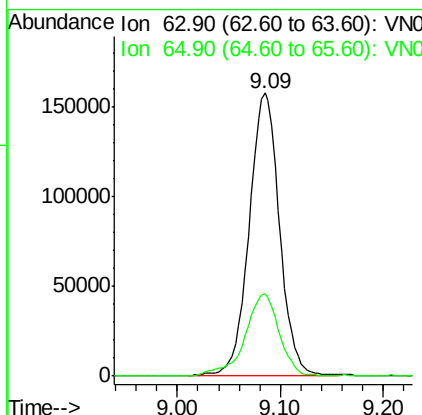
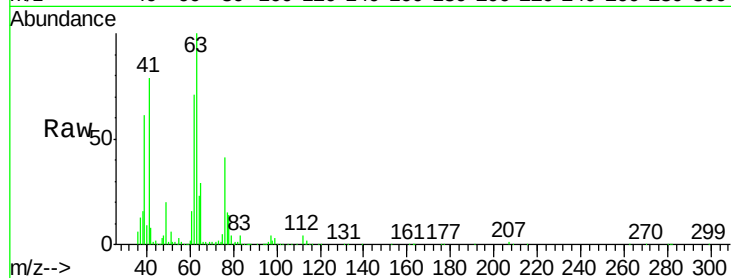
#45
 1,2-Dichloropropane
 Concen: 22.366 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.2	36.4

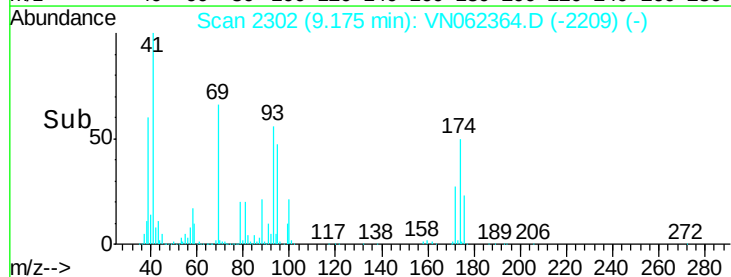
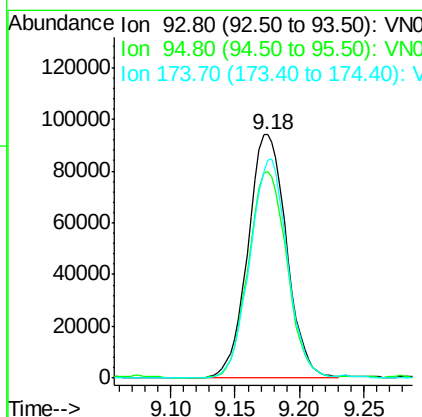
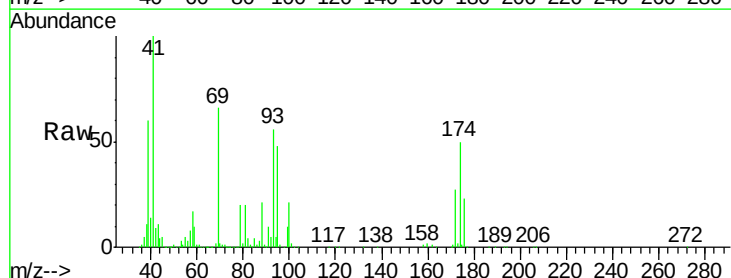
Manual Integrations
 APPROVED

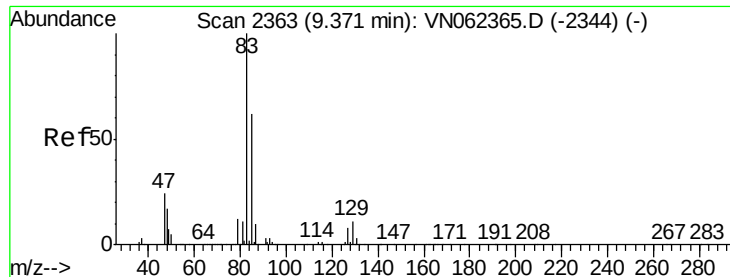
MMDadoda
 7/7/2020 10:08:26 AM



#46
 Dibromomethane
 Concen: 20.473 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	64.8	97.2
174	87.5	67.6	101.4





#47

Bromodichloromethane

Concen: 21.672 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

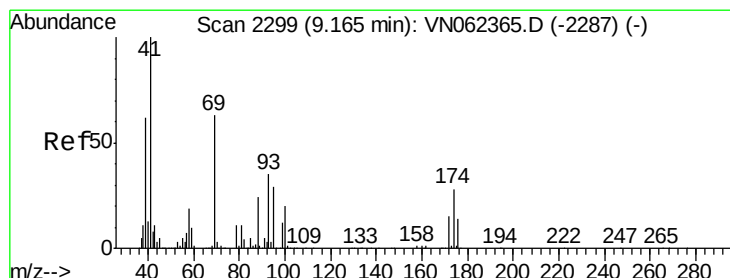
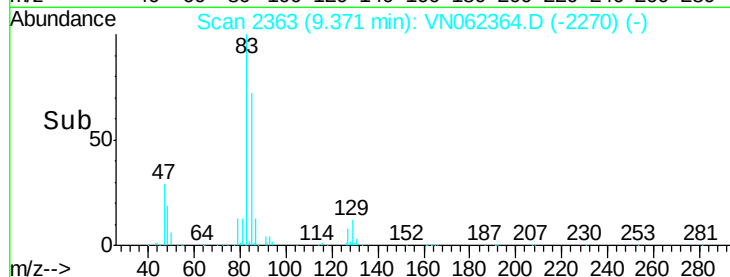
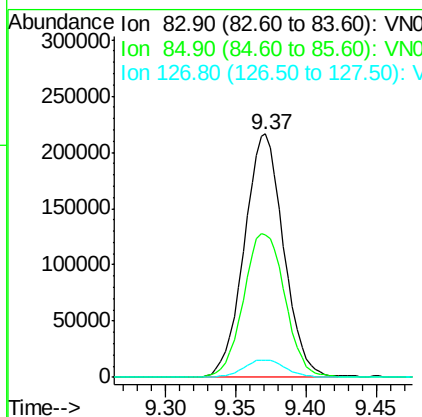
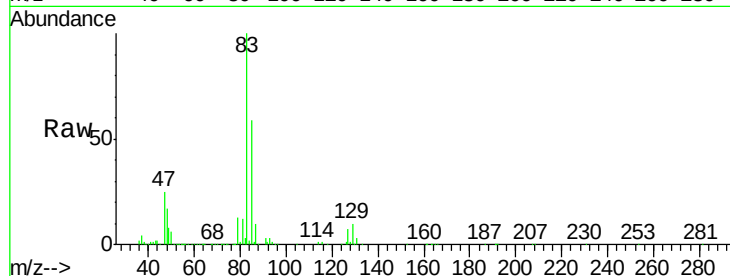
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	423027
Ion	Ratio	Lower	Upper
83	100		
85	58.7	49.8	74.6
127	6.9	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#48

Methyl methacrylate

Concen: 31.571 ug/l

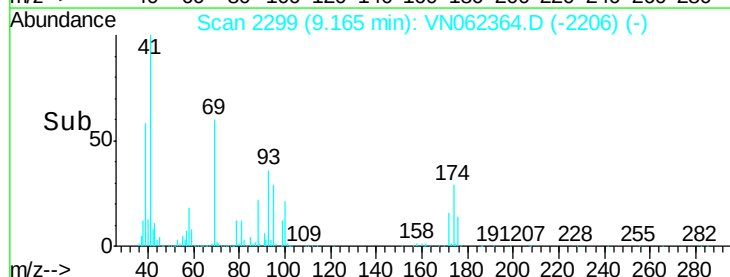
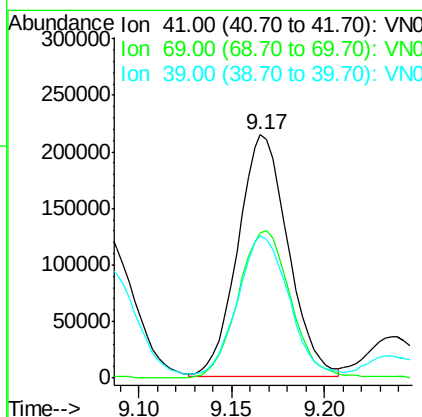
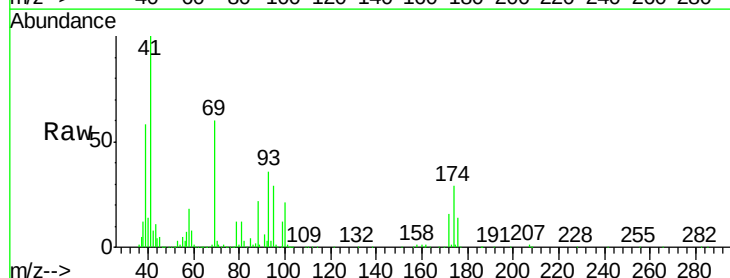
RT: 9.17 min Scan# 2299

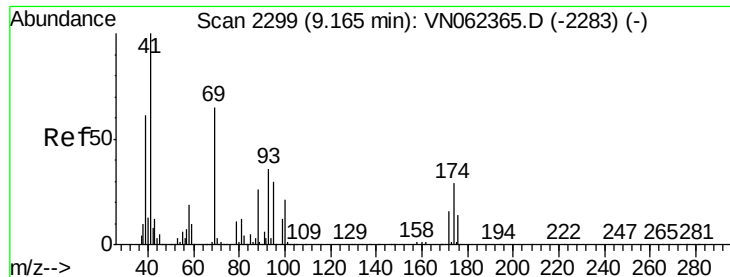
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	41	Resp:	401304
Ion	Ratio	Lower	Upper
41	100		
69	63.4	51.5	77.3
39	60.2	51.2	76.8





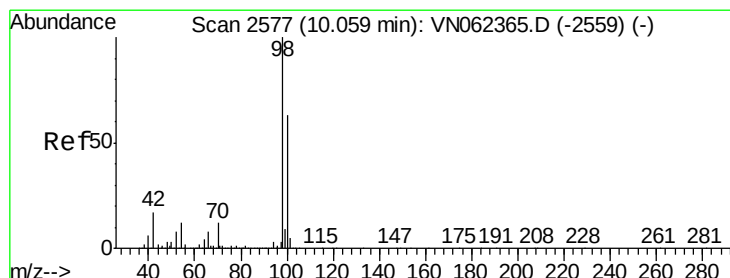
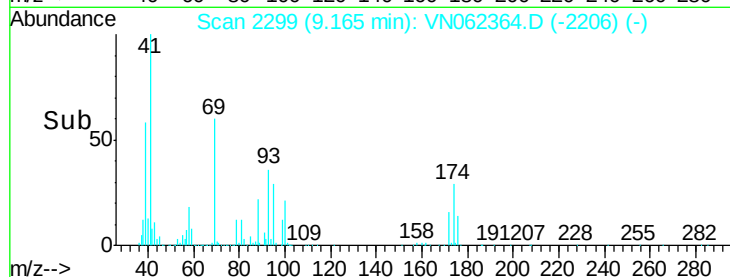
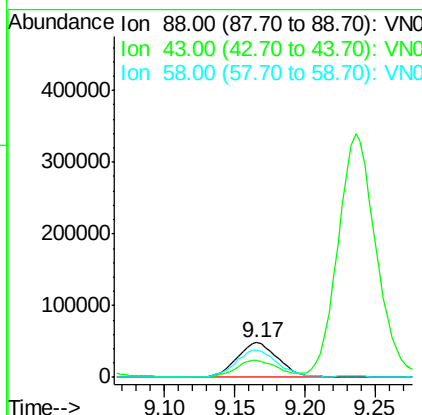
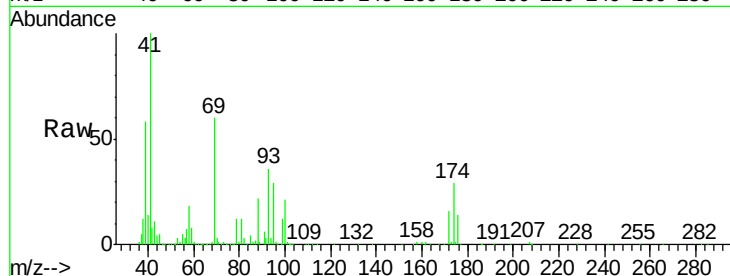
#49
1,4-Dioxane
Concen: 400.216 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.7	34.0	51.0
58	80.2	63.0	94.4

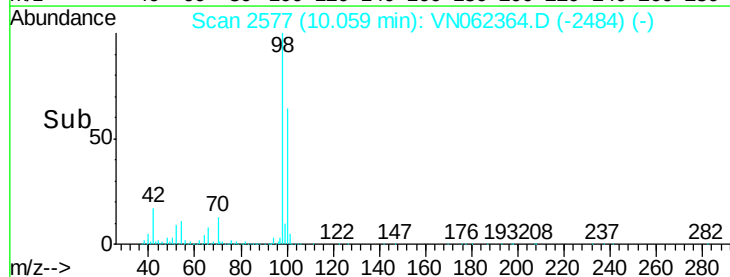
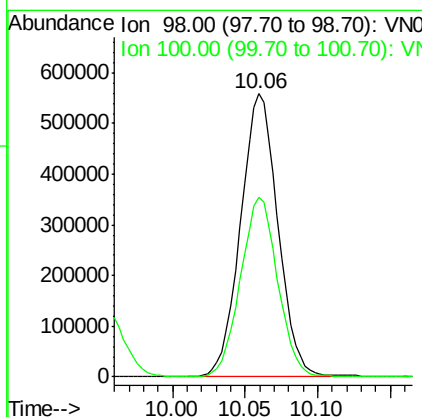
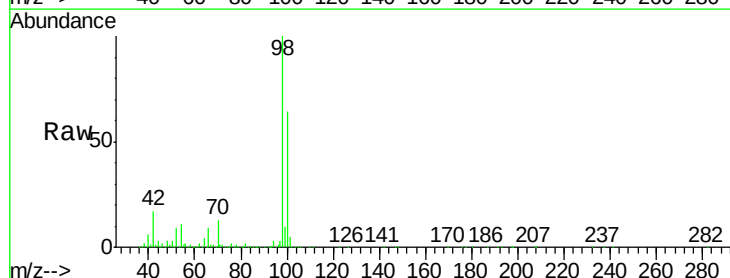
Manual Integrations
APPROVED

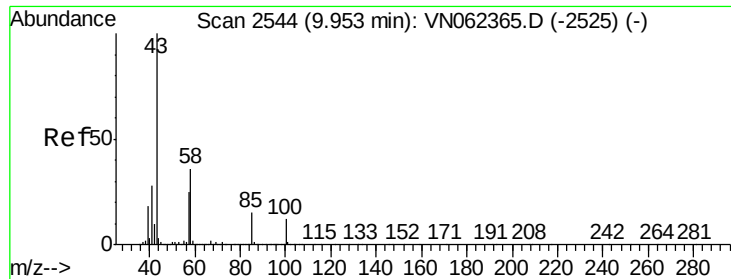
MMDadoda
7/7/2020 10:08:26 AM



#50
Toluene-d8
Concen: 20.536 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.2	75.2





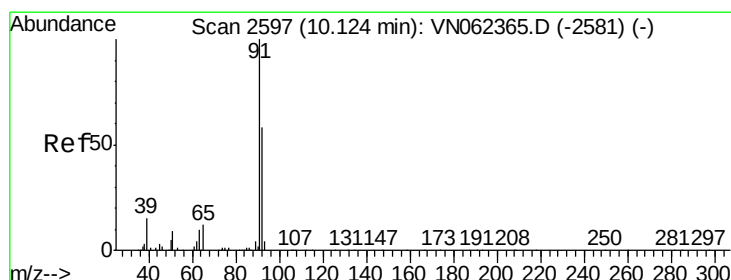
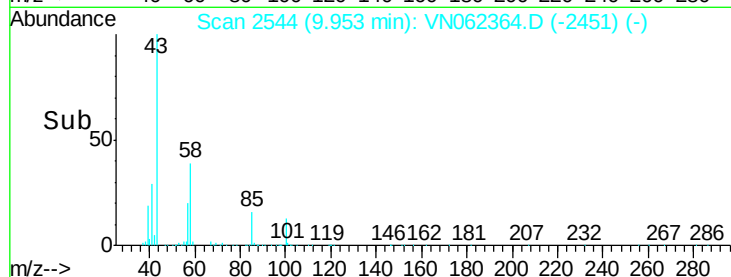
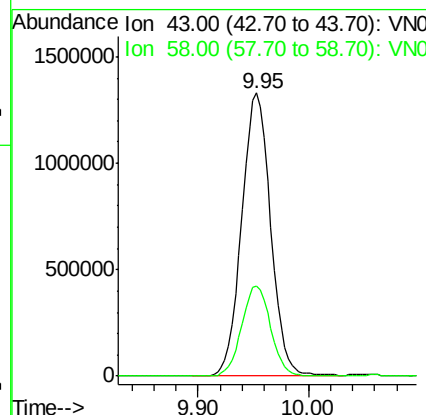
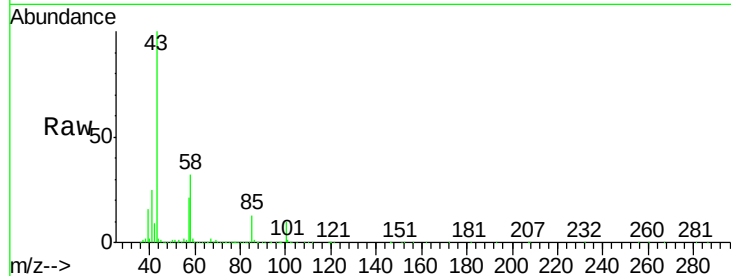
#51
4-Methyl-2-Pentanone
Concen: 150.645 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 2413683
Ion Ratio Lower Upper
43 100
58 32.0 27.6 41.4

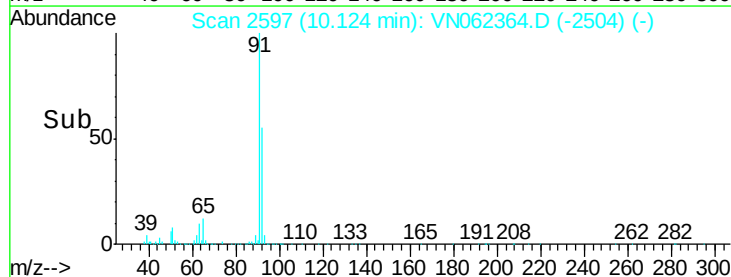
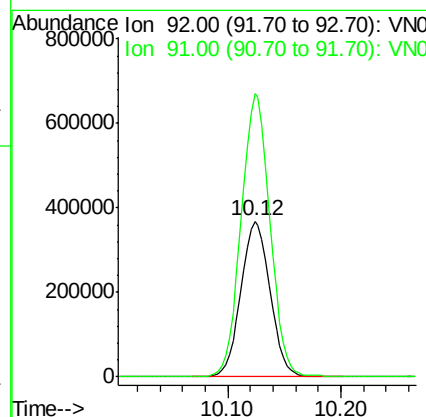
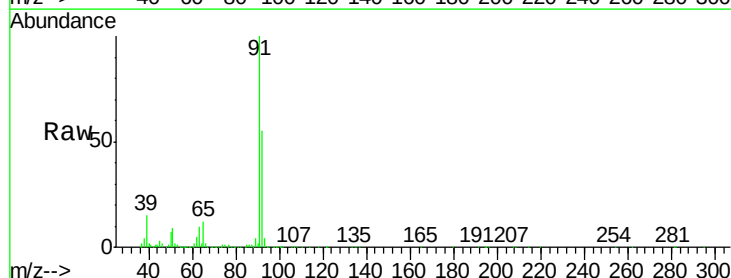
Manual Integrations
APPROVED

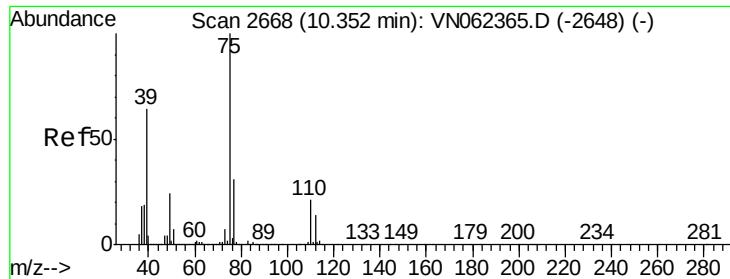
MMDadoda
7/7/2020 10:08:26 AM



#52
Toluene
Concen: 19.213 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 92 Resp: 660694
Ion Ratio Lower Upper
92 100
91 180.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 21.500 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 463136

Ion Ratio Lower Upper

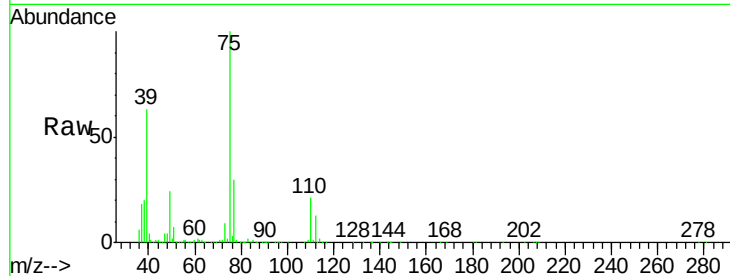
75 100

77 30.1 24.9 37.3

Manual Integrations
APPROVED

MMDadoda

7/7/2020 10:08:26 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

250000

200000

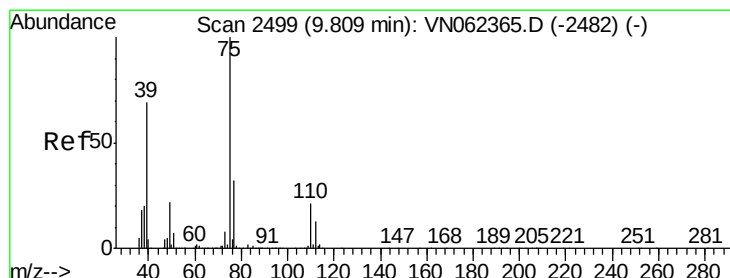
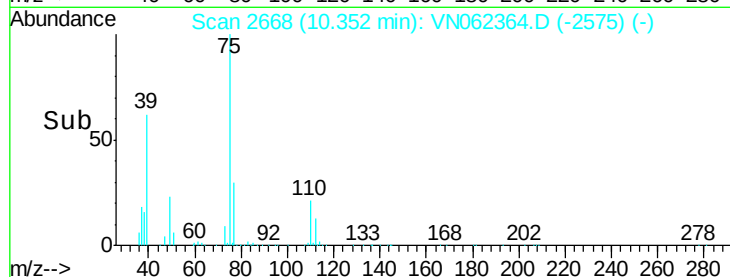
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.700 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

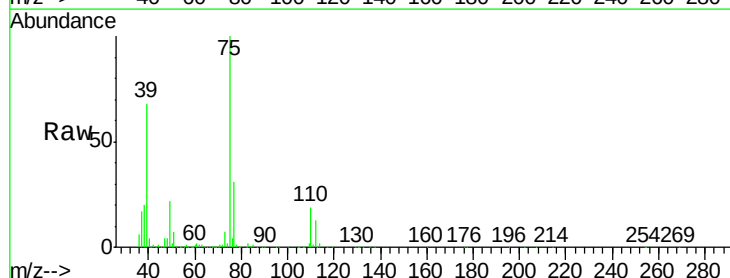
Tgt Ion: 75 Resp: 494282

Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0

39 67.6 55.3 82.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

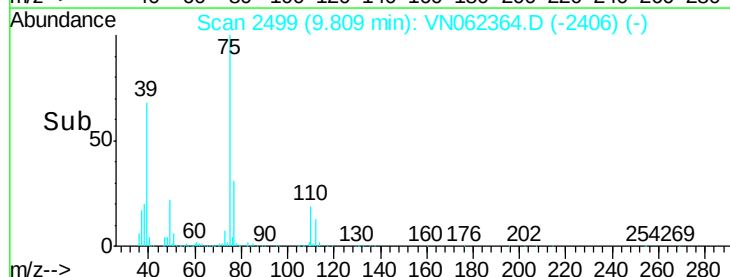
300000

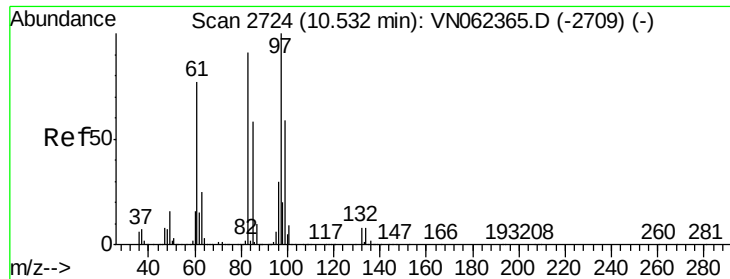
200000

100000

0

Time-->





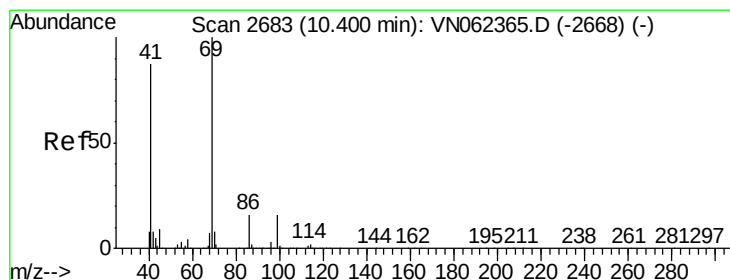
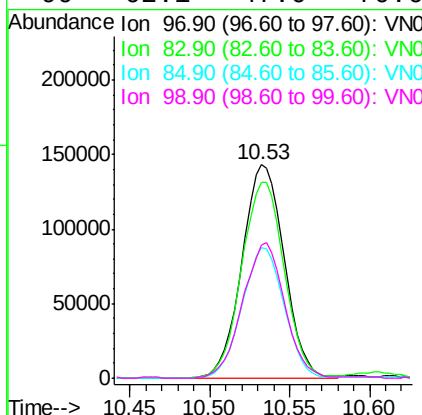
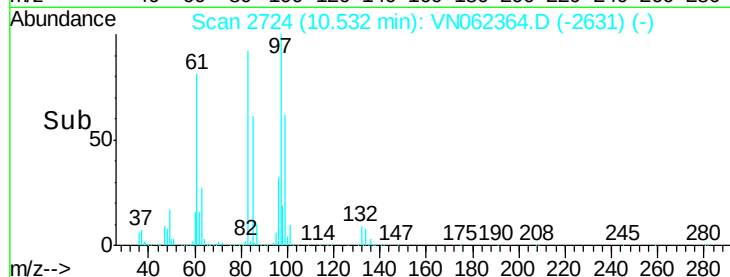
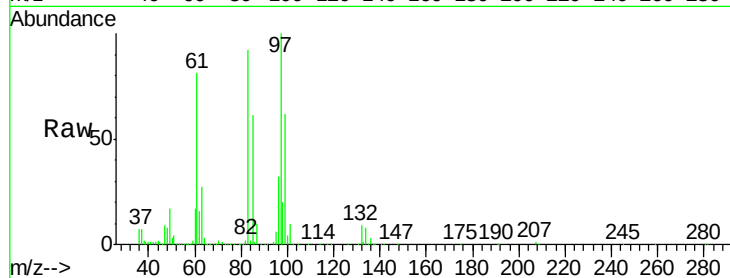
#55
 1,1,2-Trichloroethane
 Concen: 19.201 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		259478		
83	91.8	72.4	108.6		
85	60.8	46.3	69.5		
99	62.1	47.0	70.6		

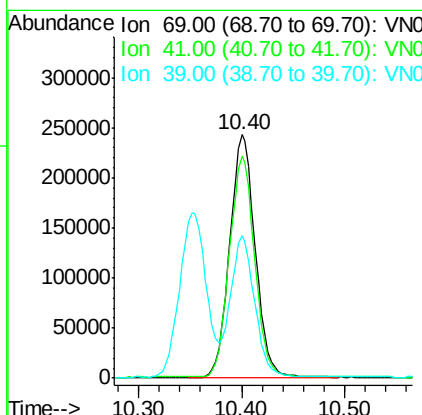
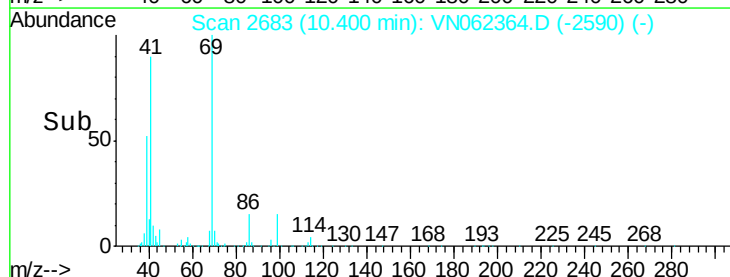
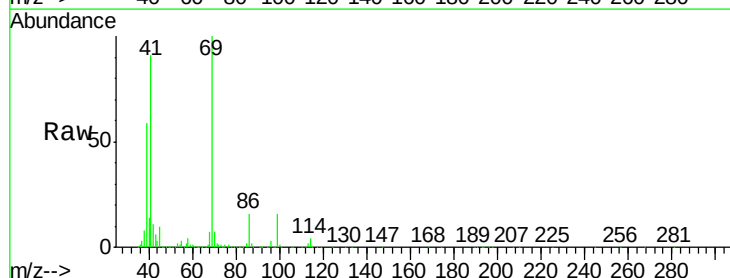
Manual Integrations
 APPROVED

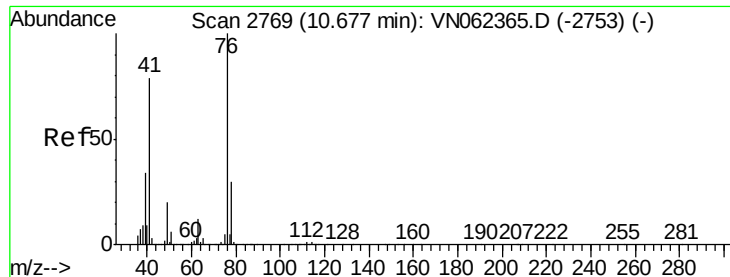
MMDadoda
 7/7/2020 10:08:26 AM



#56
 Ethyl methacrylate
 Concen: 22.510 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		421150		
41	88.8	69.4	104.0		
39	54.6	42.4	63.6		





#57

1,3-Dichloropropane

Concen: 20.499 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 485069

Ion Ratio Lower Upper

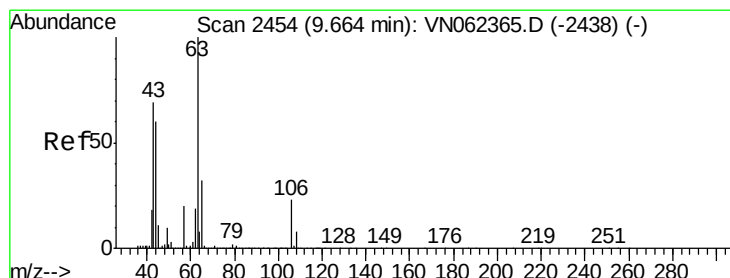
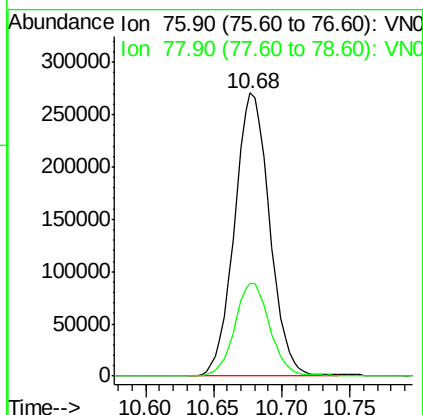
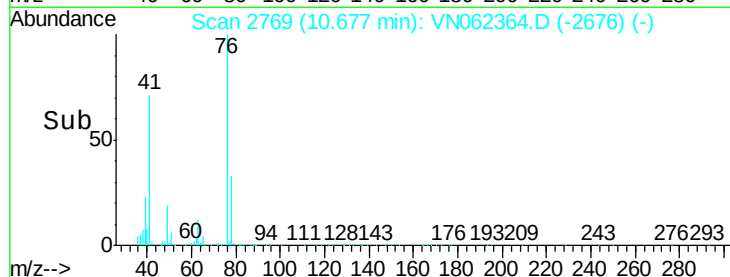
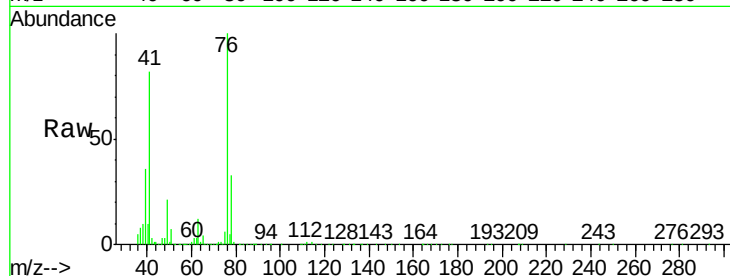
76 100

78 32.8 25.0 37.4

Manual Integrations
APPROVED

MMDadoda

7/7/2020 10:08:26 AM



#58

2-Chloroethyl Vinyl ether

Concen: 106.716 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062364.D

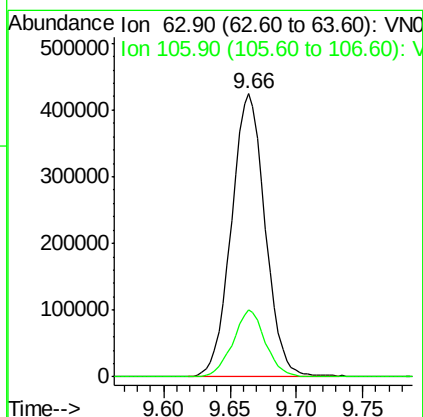
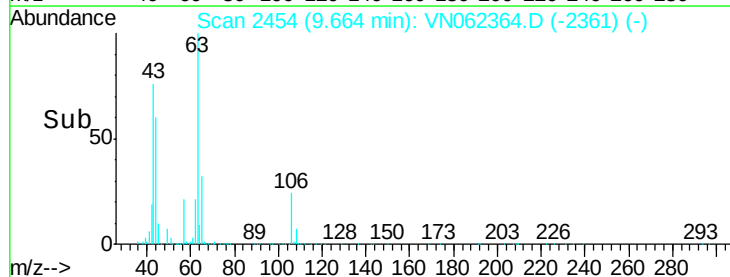
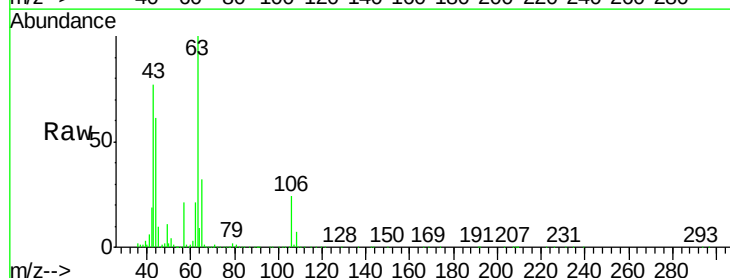
Acq: 6 Jul 2020 13:14

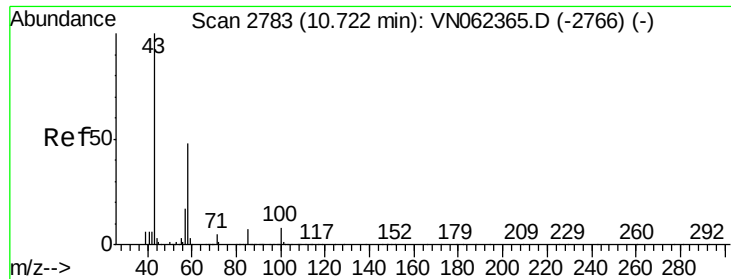
Tgt Ion: 63 Resp: 750359

Ion Ratio Lower Upper

63 100

106 22.8 18.0 27.0





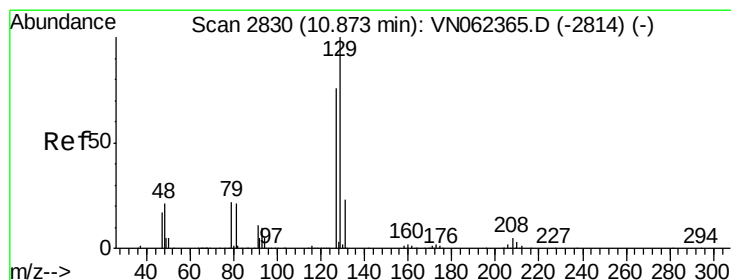
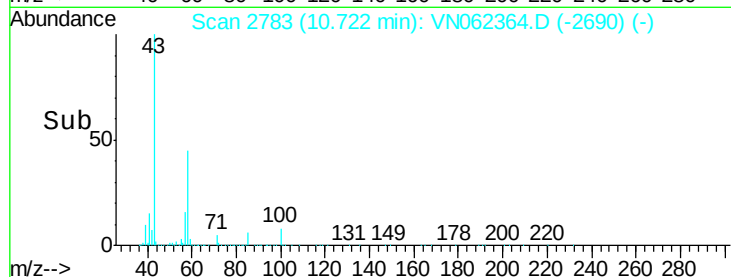
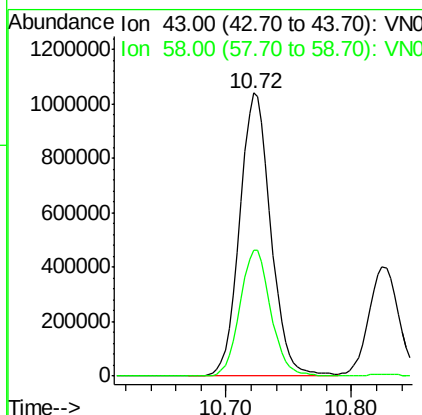
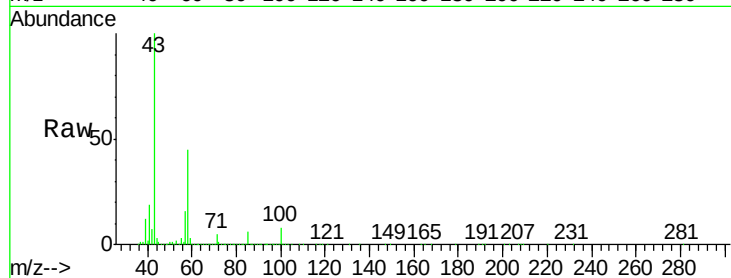
#59
2-Hexanone
Concen: 153.071 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 1789980
Ion Ratio Lower Upper
43 100
58 44.4 23.5 70.6

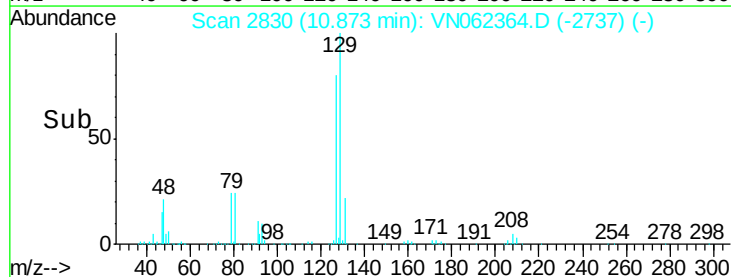
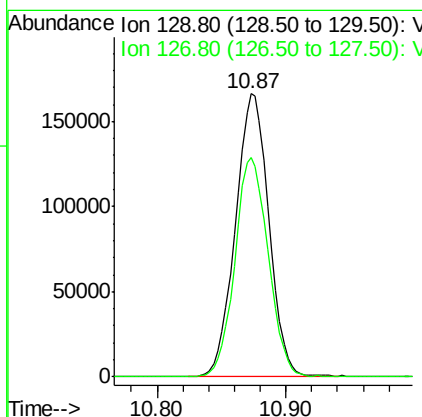
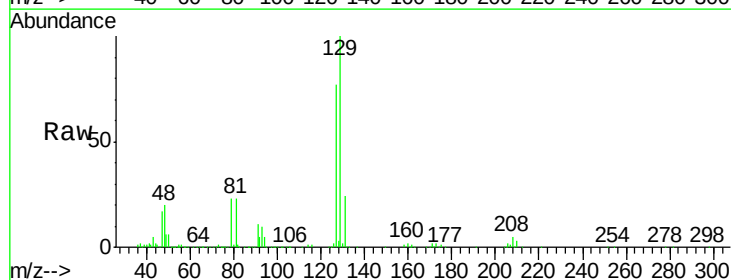
Manual Integrations
APPROVED

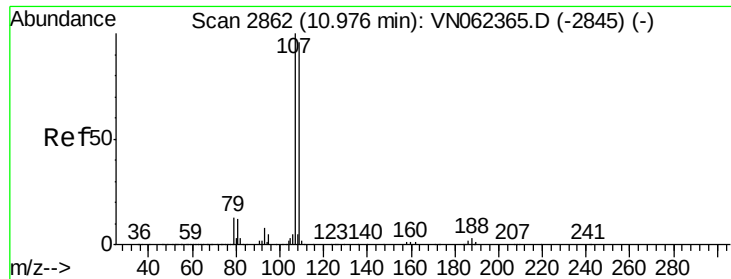
MMDadoda
7/7/2020 10:08:26 AM



#60
Dibromochloromethane
Concen: 20.536 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 129 Resp: 298454
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.593 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 272582

Ion Ratio Lower Upper

107 100

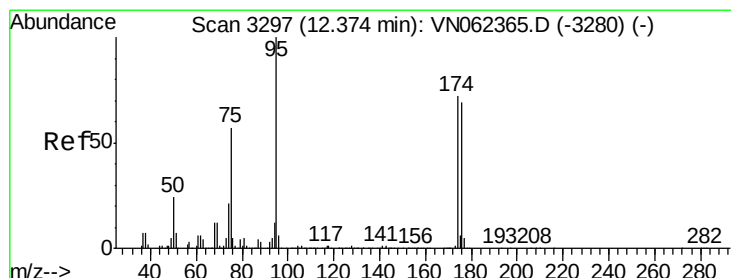
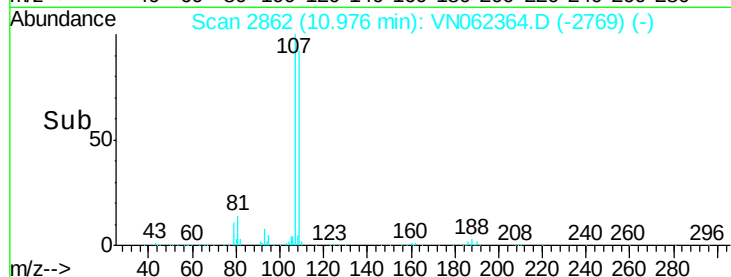
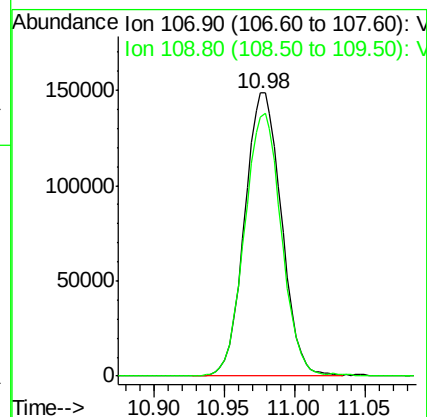
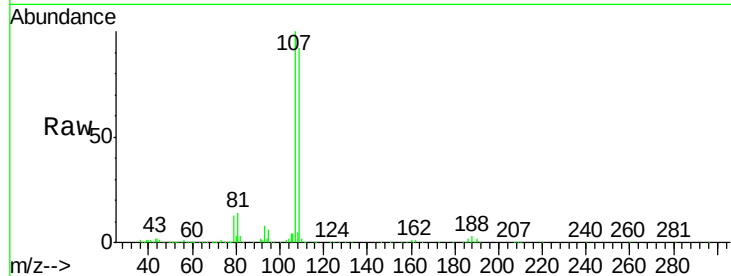
109 92.9 76.4 114.6

Manual Integrations

APPROVED

MMDadoda

7/7/2020 10:08:26 AM



#62

4-Bromofluorobenzene

Concen: 21.293 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

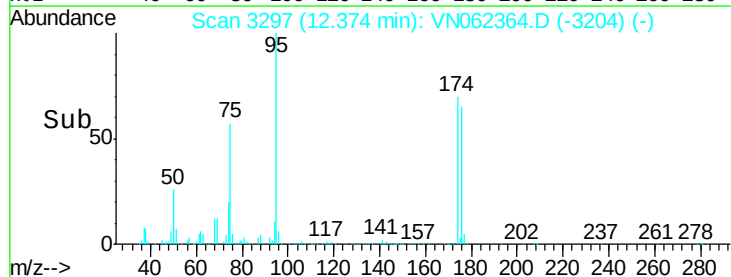
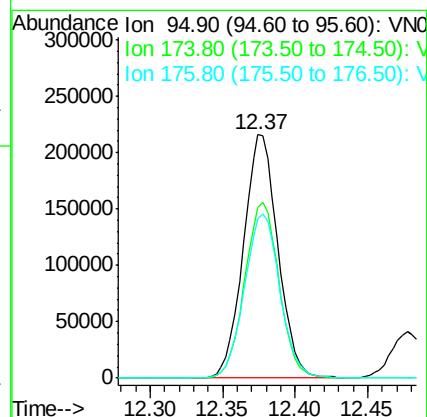
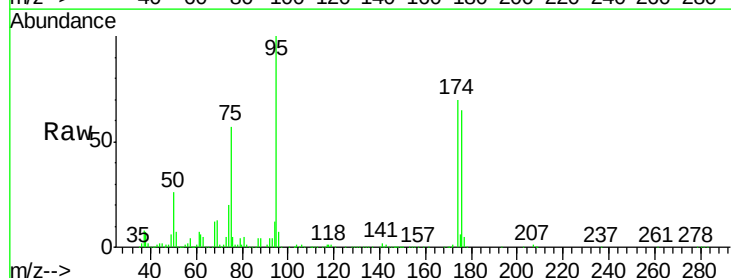
Tgt Ion: 95 Resp: 356888

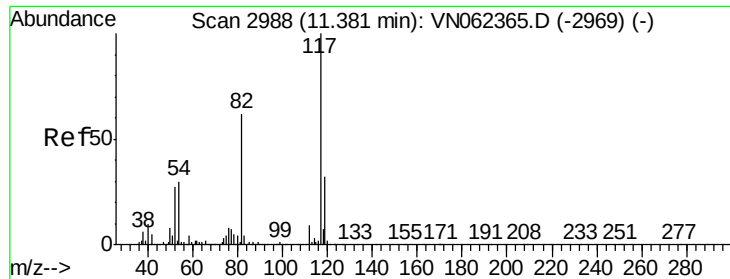
Ion Ratio Lower Upper

95 100

174 72.0 0.0 145.8

176 69.3 0.0 140.2





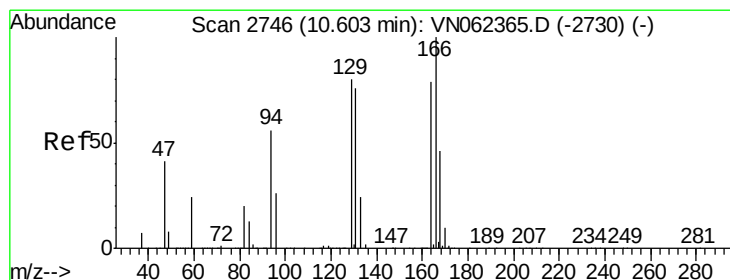
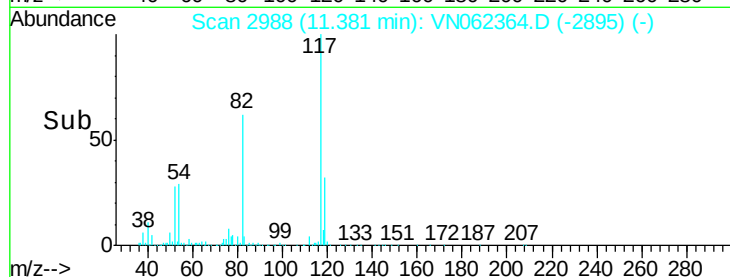
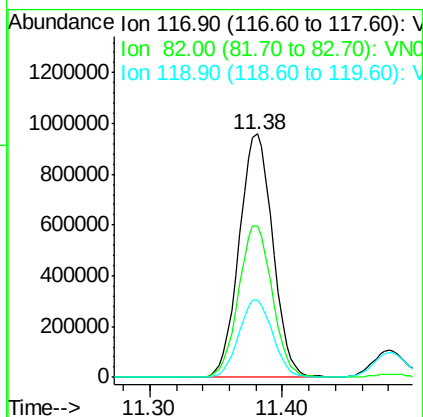
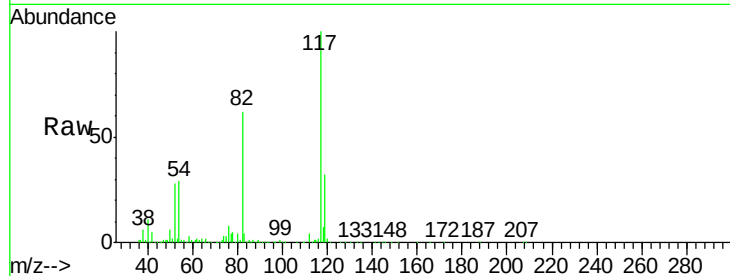
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1687186
Ion Ratio Lower Upper
117 100
82 62.4 49.4 74.2
119 32.0 25.6 38.4

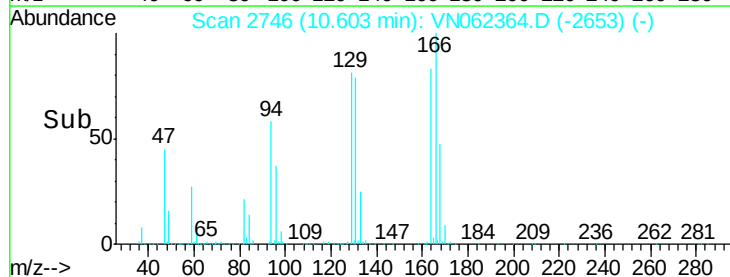
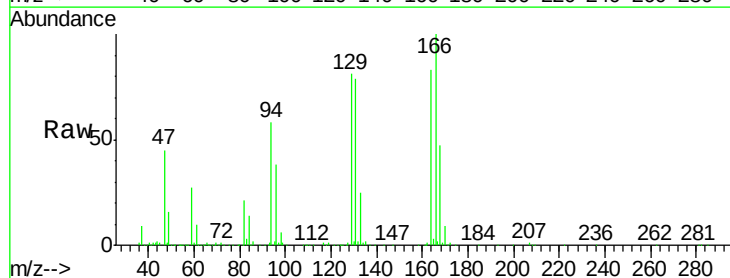
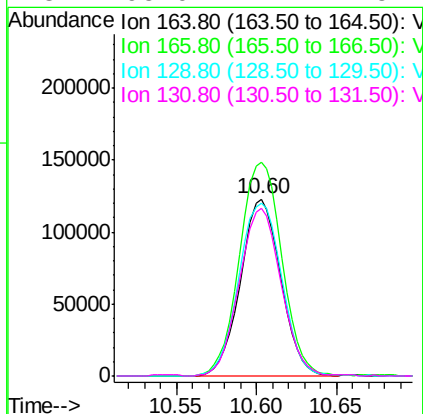
Manual Integrations
APPROVED

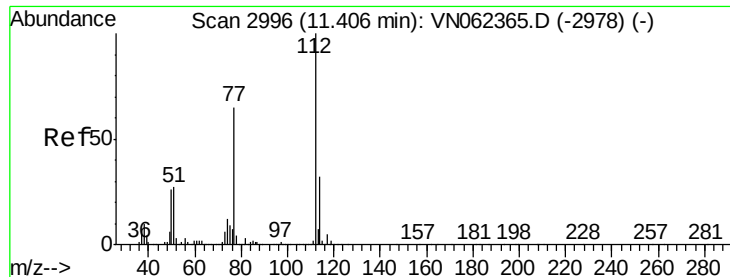
MMDadoda
7/7/2020 10:08:26 AM



#64
Tetrachloroethene
Concen: 18.434 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion:164 Resp: 210943
Ion Ratio Lower Upper
164 100
166 120.7 101.6 152.4
129 98.1 81.4 122.2
131 95.0 77.1 115.7





#65

Chlorobenzene

Concen: 18.982 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 700652

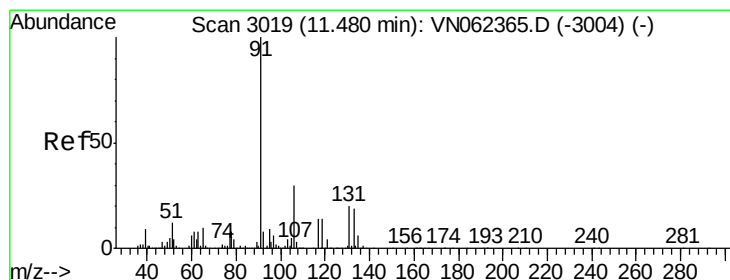
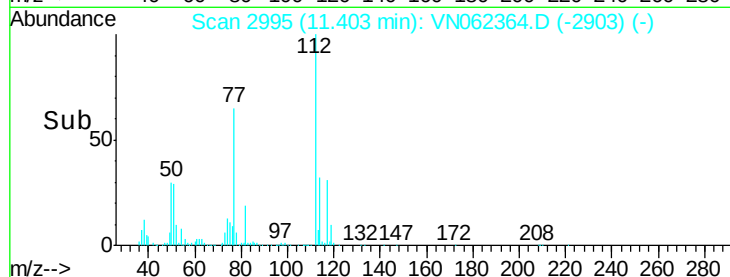
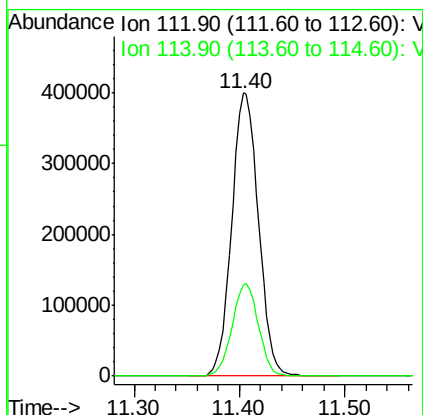
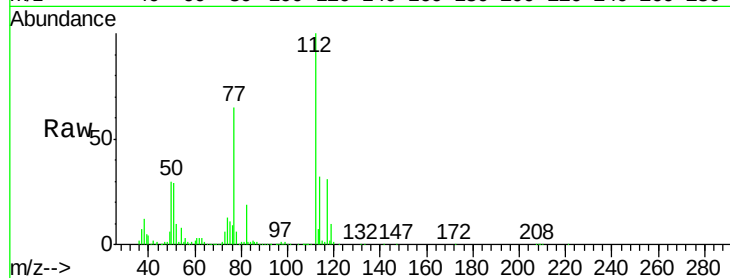
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.630 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

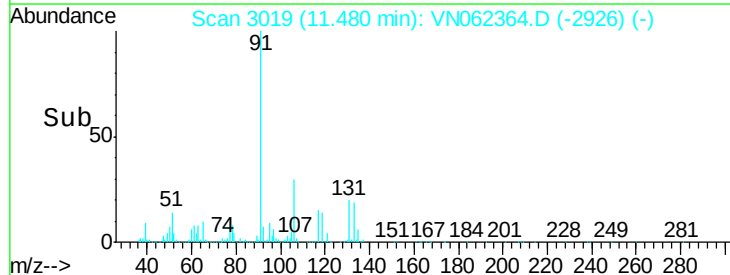
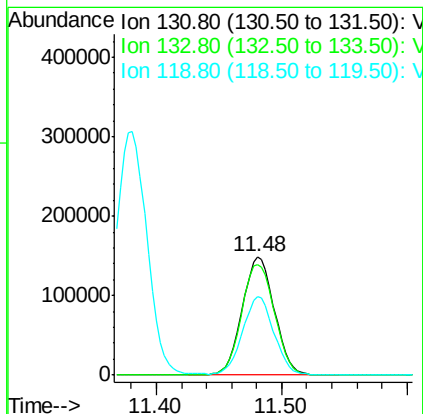
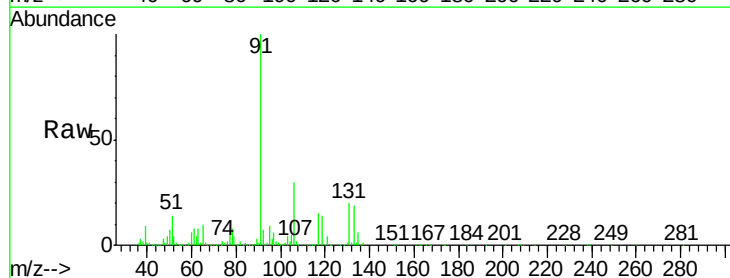
Tgt Ion:131 Resp: 265850

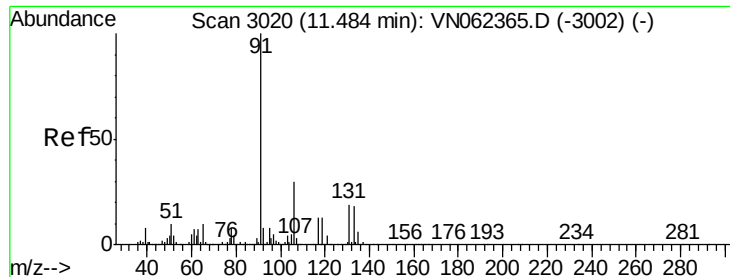
Ion Ratio Lower Upper

131 100

133 96.1 47.3 141.9

119 65.5 33.3 99.9





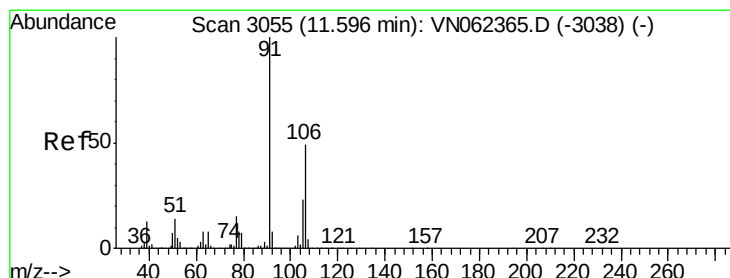
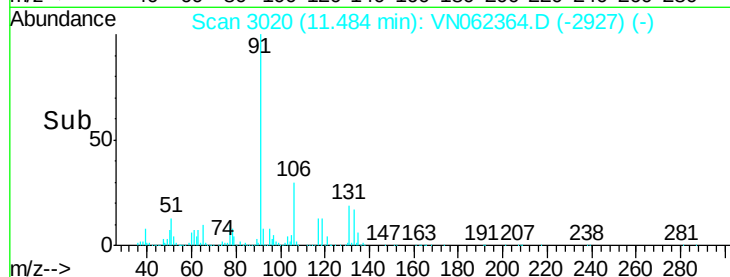
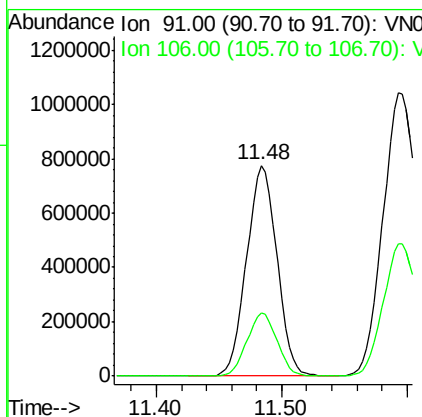
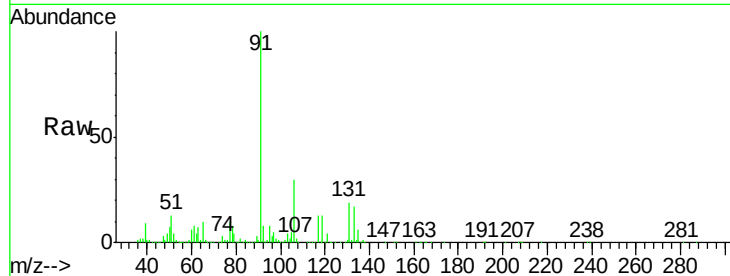
#67
Ethyl Benzene
Concen: 20.879 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 1312226
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2

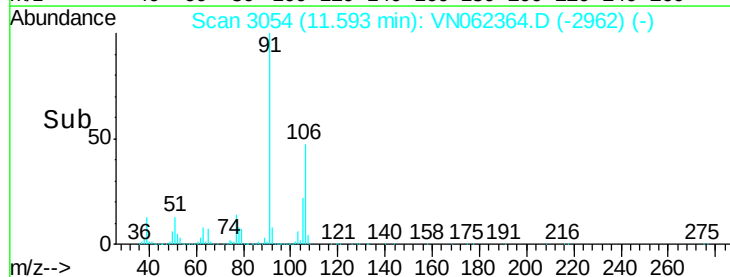
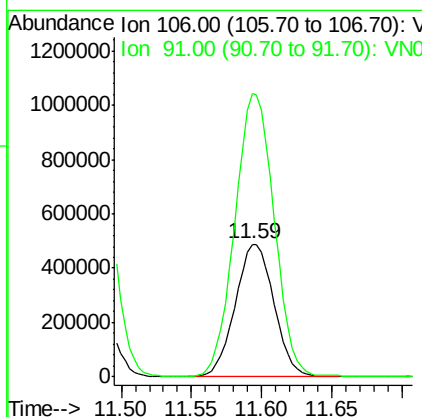
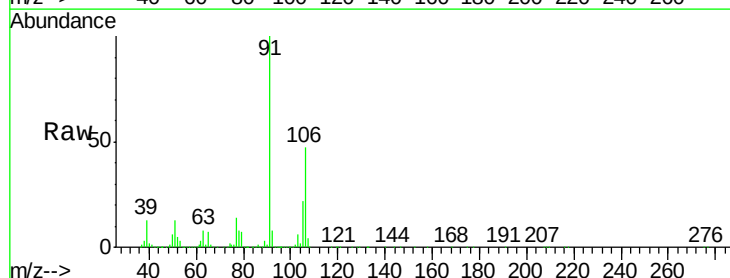
Manual Integrations
APPROVED

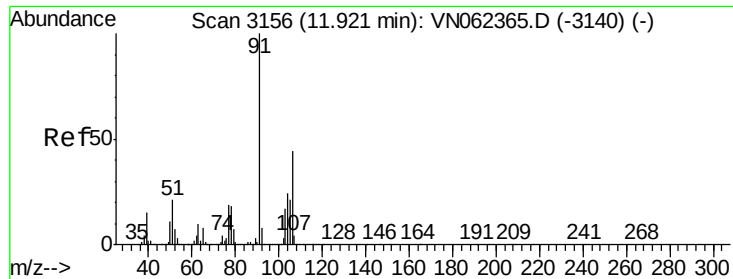
MMDadoda
7/7/2020 10:08:26 AM



#68
m/p-Xylenes
Concen: 38.957 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 106 Resp: 937287
Ion Ratio Lower Upper
106 100
91 216.7 165.4 248.2





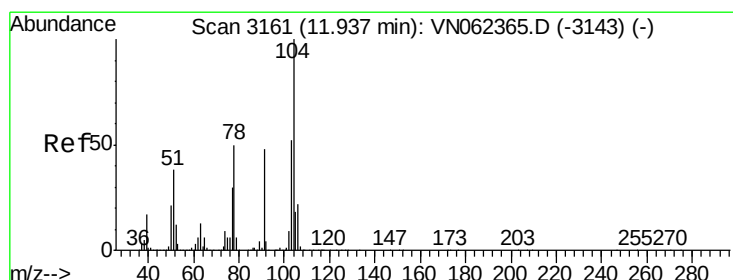
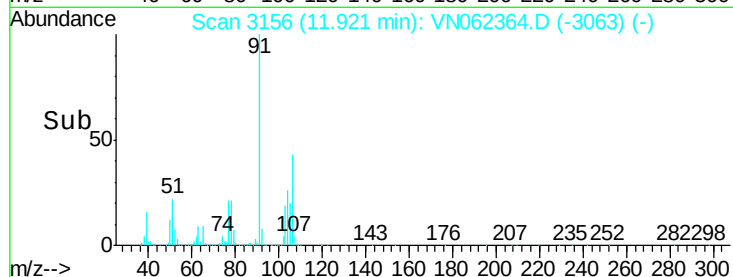
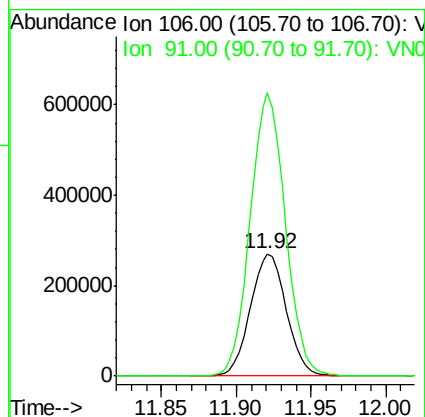
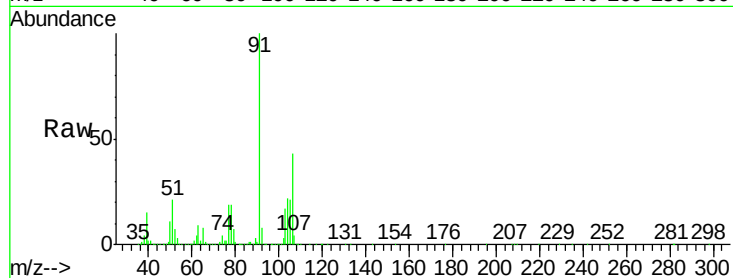
#69
o-Xylene
Concen: 19.892 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.0	113.1	339.4

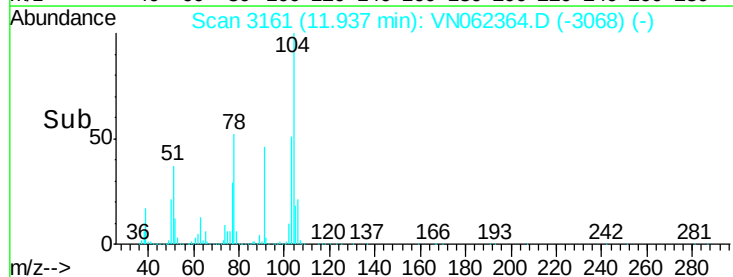
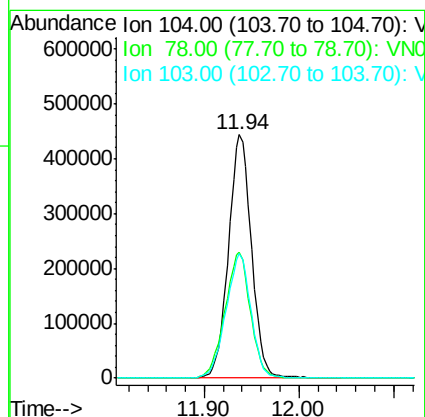
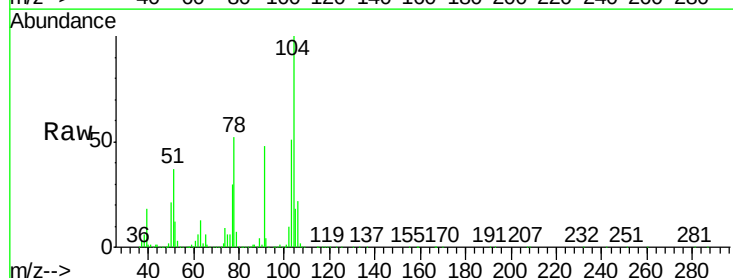
Manual Integrations
APPROVED

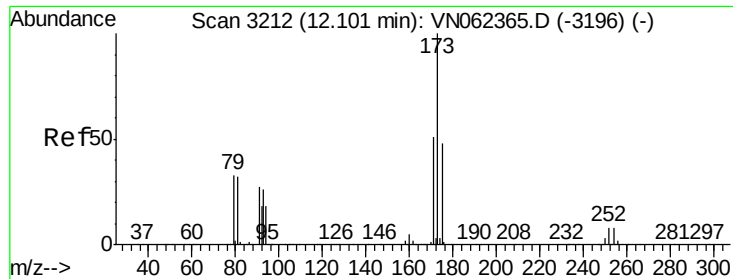
MMDadoda
7/7/2020 10:08:26 AM



#70
Styrene
Concen: 19.858 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.7	44.8	67.2
103	55.3	45.0	67.4





#71

Bromoform

Concen: 21.048 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

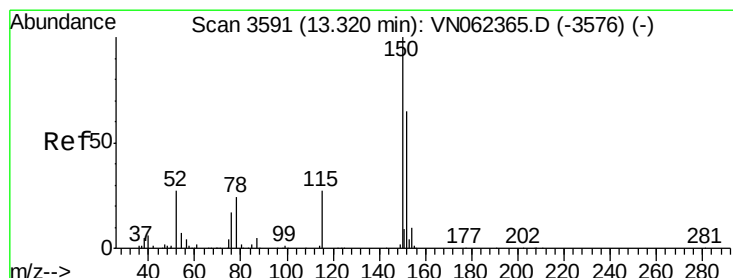
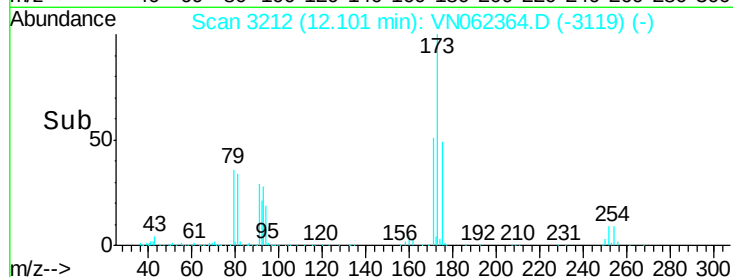
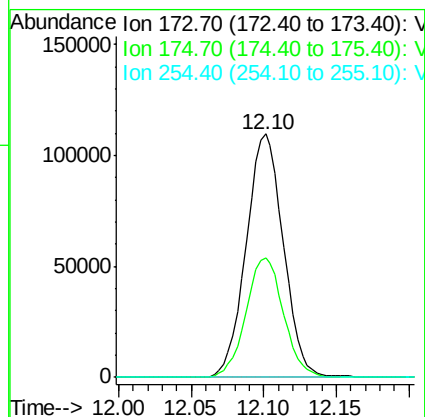
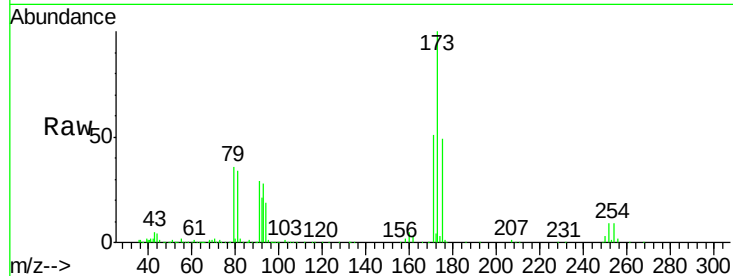
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
173	100	195690		
175	49.6	24.1	72.2	
254	0.0	0.2	0.2#	

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

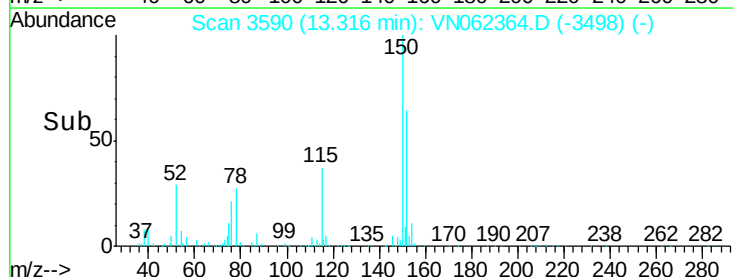
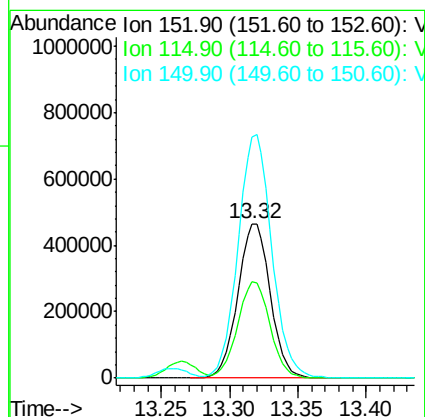
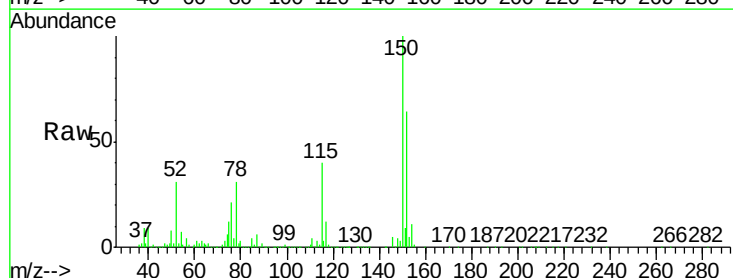
RT: 13.32 min Scan# 3590

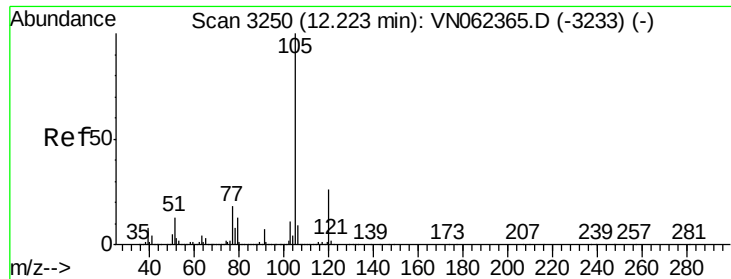
Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	767296		
115	62.5	30.5	91.5	
150	163.6	0.0	346.8	





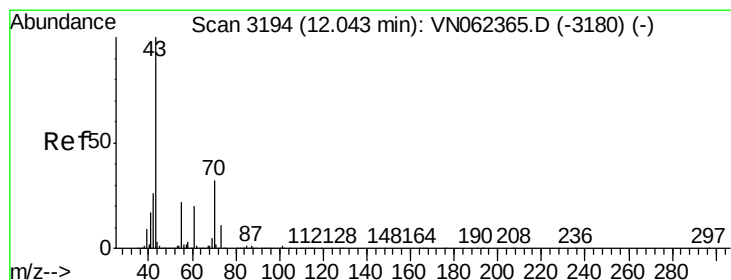
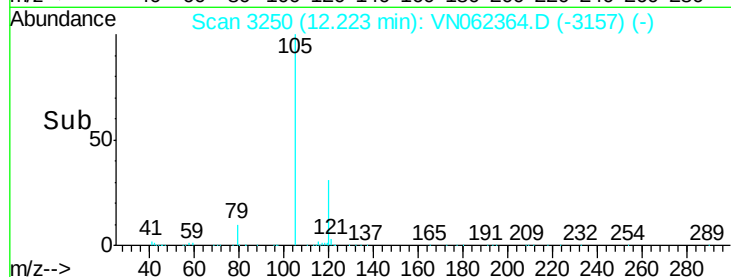
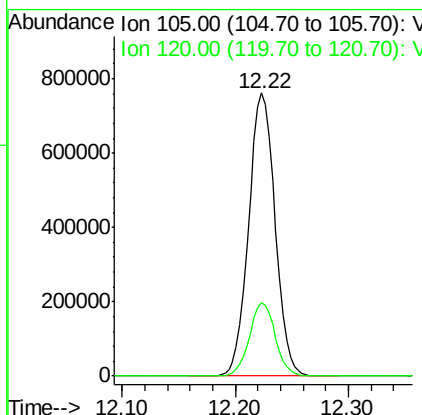
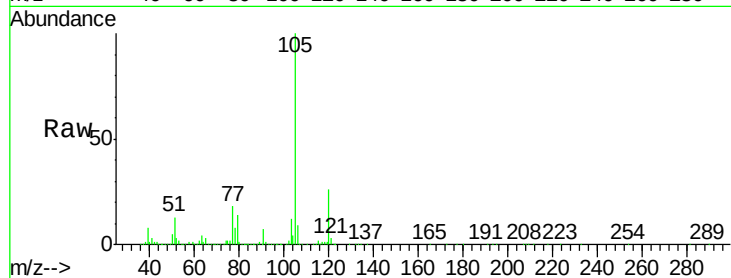
#73
Isopropylbenzene
Concen: 20.938 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:105 Resp: 1240362
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.3

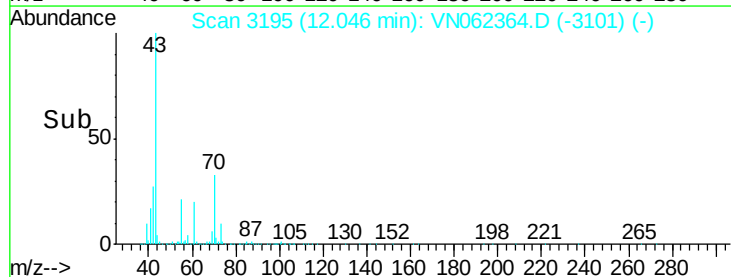
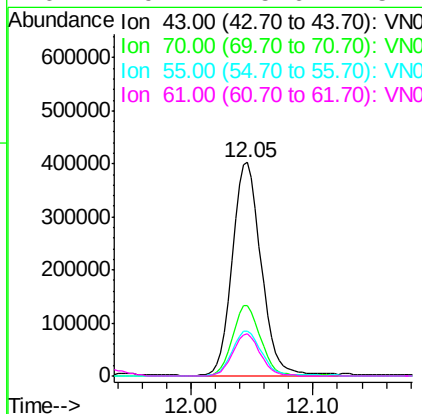
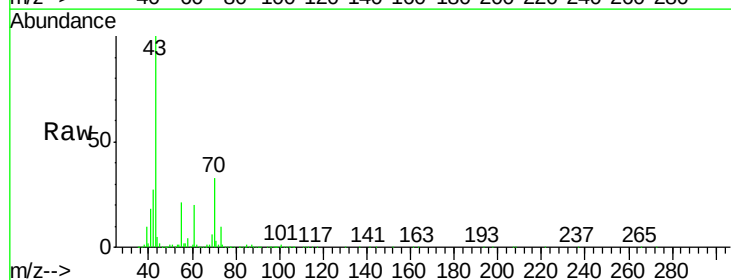
Manual Integrations
APPROVED

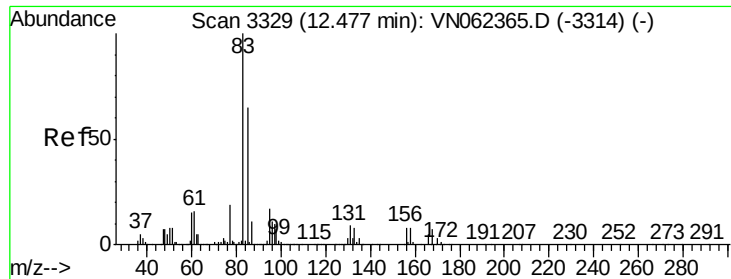
MMDadoda
7/7/2020 10:08:26 AM



#74
N-ethyl acetate
Concen: 30.846 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 43 Resp: 662000
Ion Ratio Lower Upper
43 100
70 32.8 25.9 38.9
55 21.4 17.4 26.0
61 19.1 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.837 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

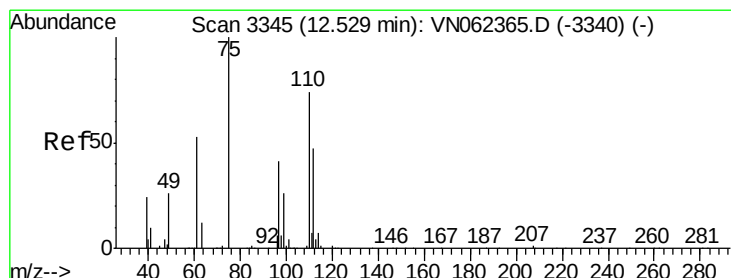
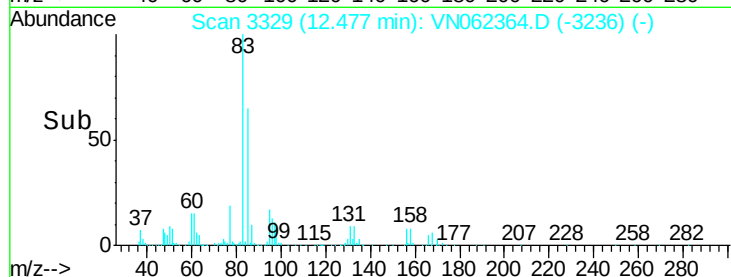
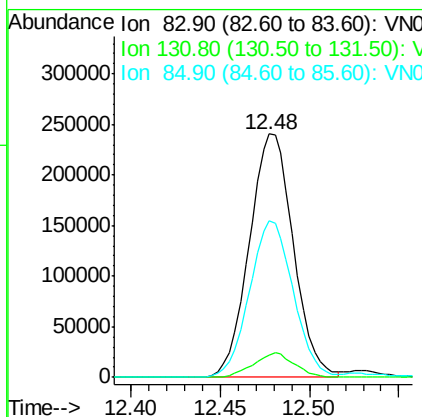
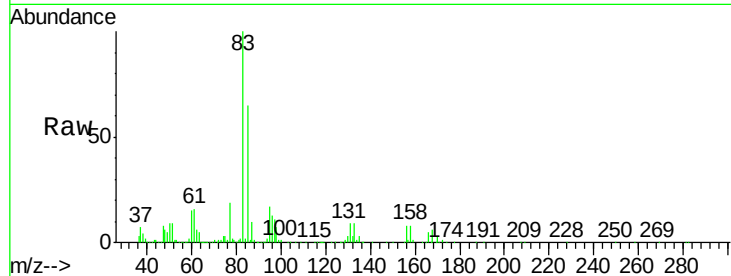
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	413927
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.8	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#76

1,2,3-Trichloropropane

Concen: 22.021 ug/l m

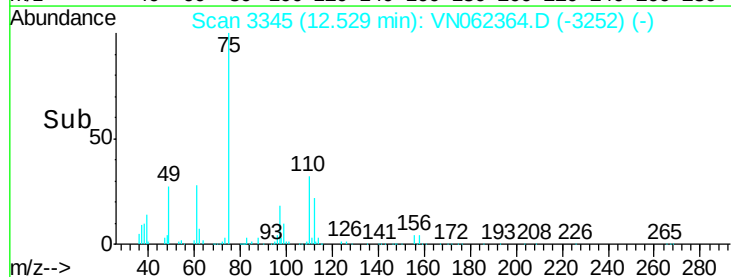
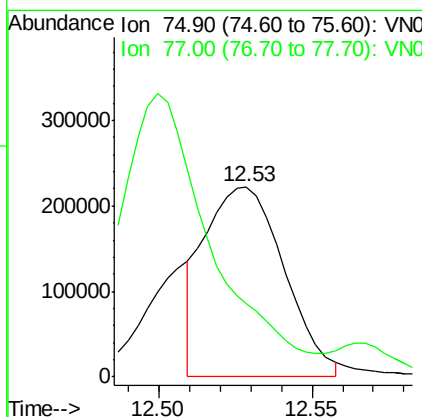
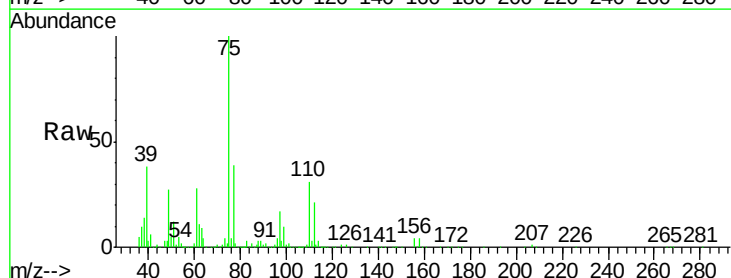
RT: 12.53 min Scan# 3345

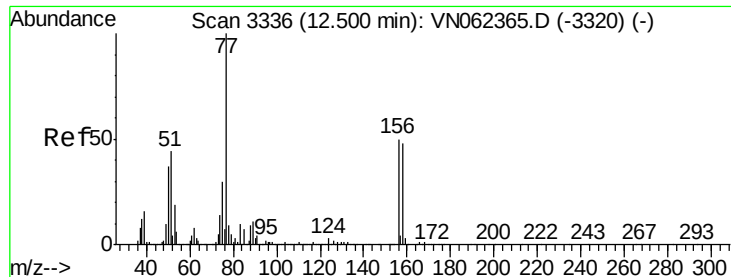
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	75	Resp:	398440
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.040 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

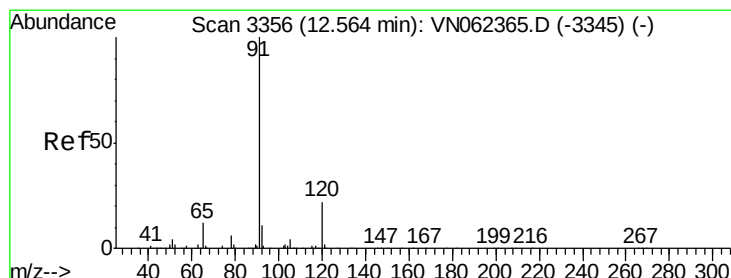
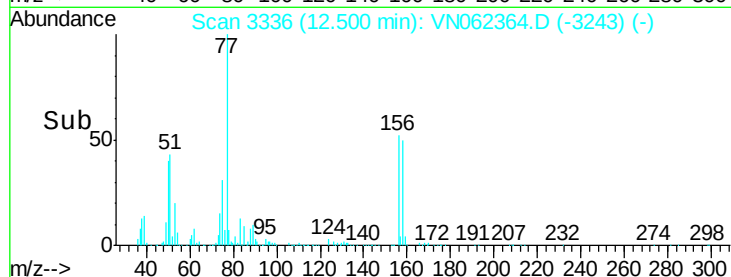
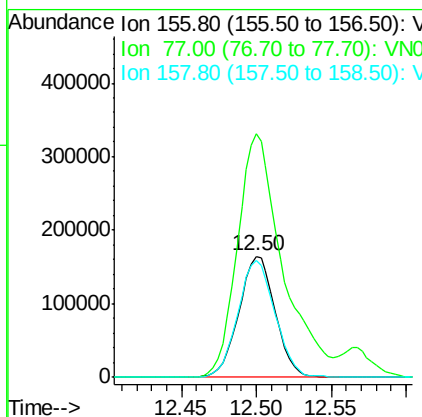
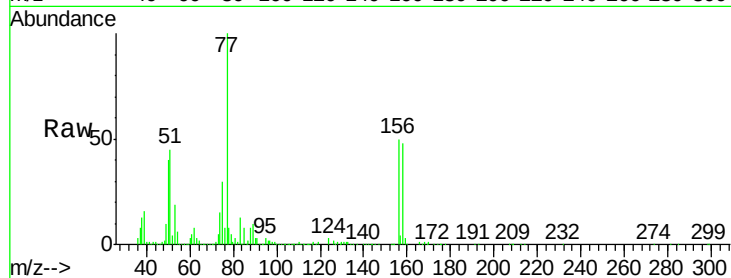
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	278344
Ion Ratio	Lower	Upper	
156	100		
77	248.6	123.3	369.8
158	99.3	49.6	148.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#78

n-propylbenzene

Concen: 21.108 ug/l

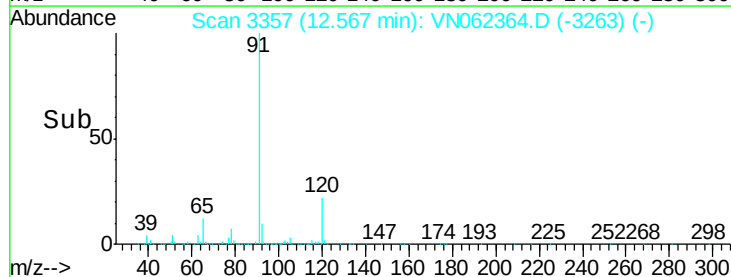
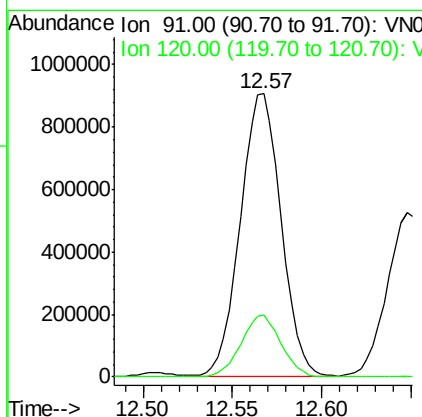
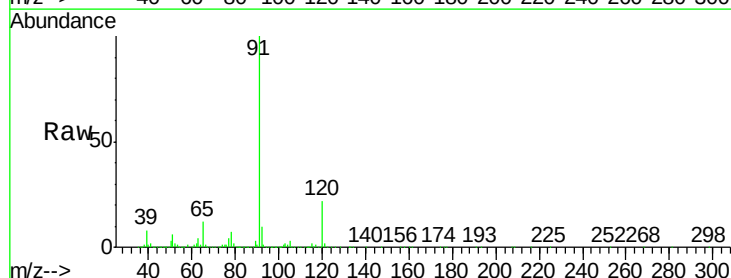
RT: 12.57 min Scan# 3357

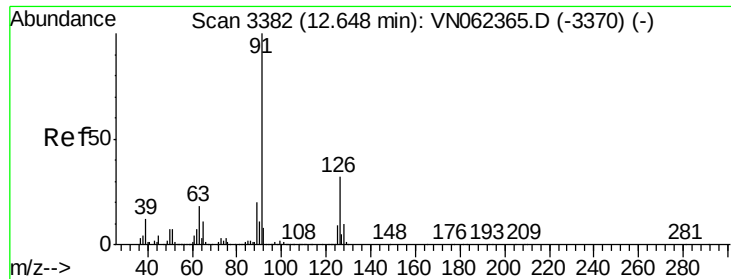
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	91	Resp:	1434763
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.9	32.6





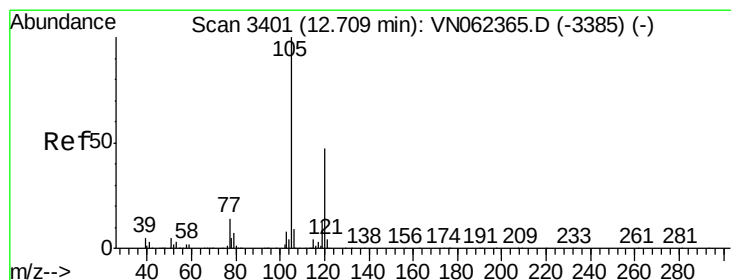
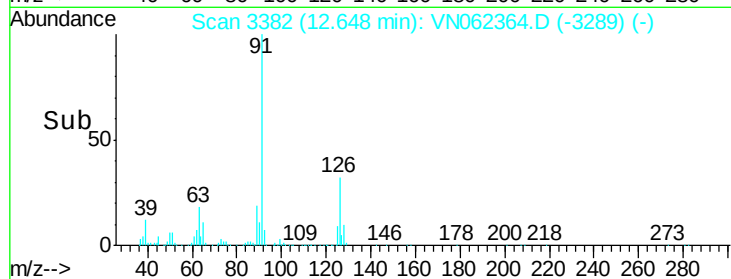
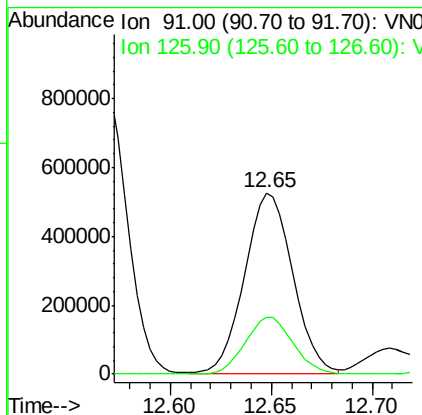
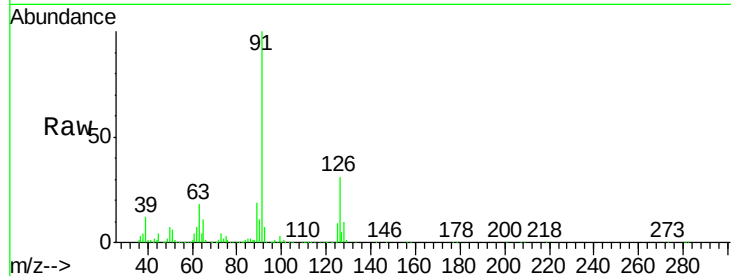
#79
 2-Chlorotoluene
 Concen: 21.111 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 871920
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.8 47.4

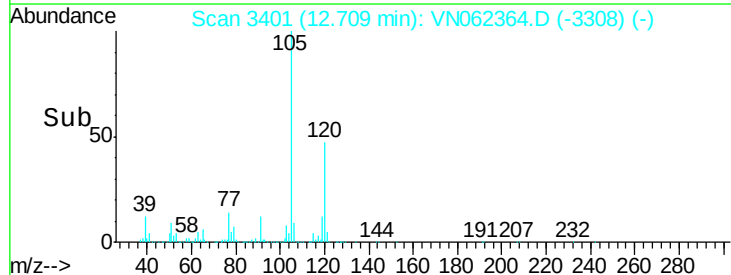
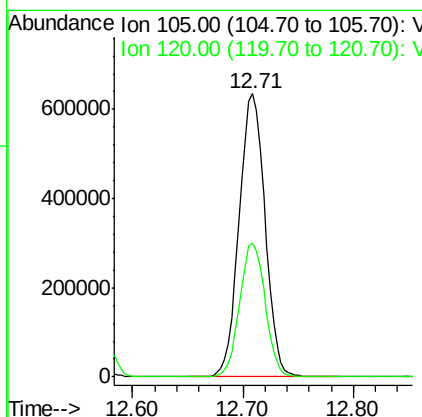
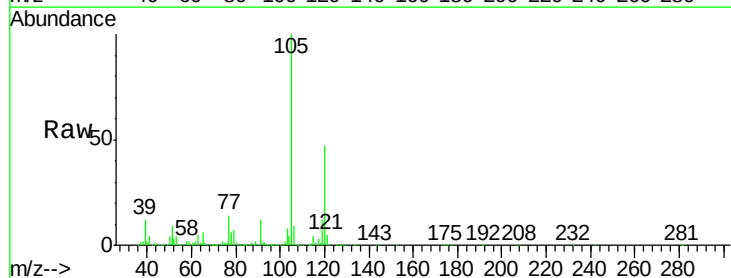
Manual Integrations
 APPROVED

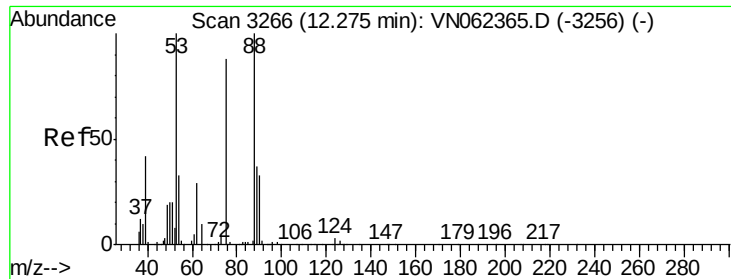
MMDadoda
 7/7/2020 10:08:26 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.388 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion: 105 Resp: 1032738
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.990 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

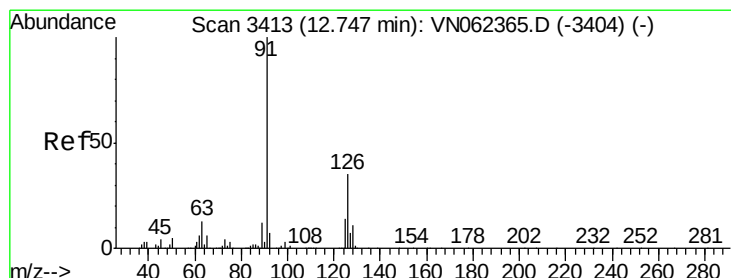
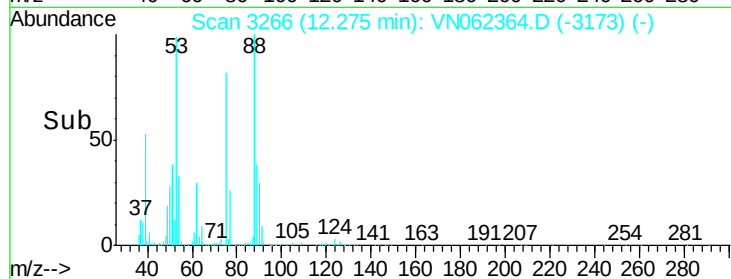
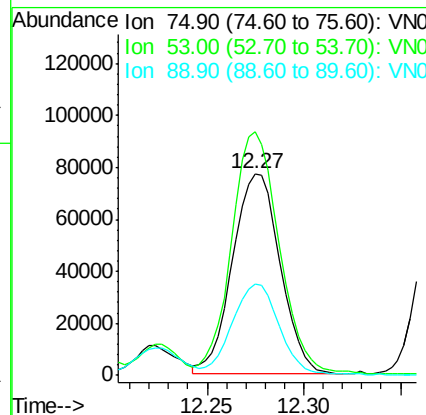
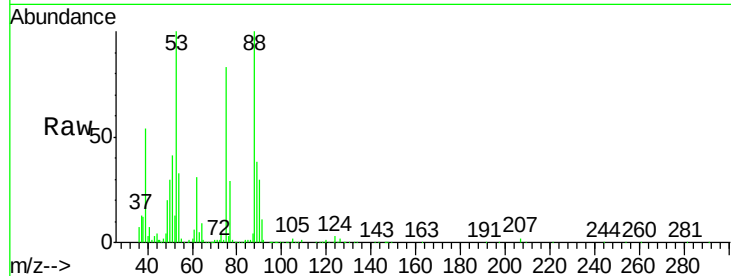
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	131320
Ion	Ratio	Lower	Upper
75	100		
53	121.2	92.3	138.5
89	44.0	37.0	55.4

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#82

4-Chlorotoluene

Concen: 20.690 ug/l

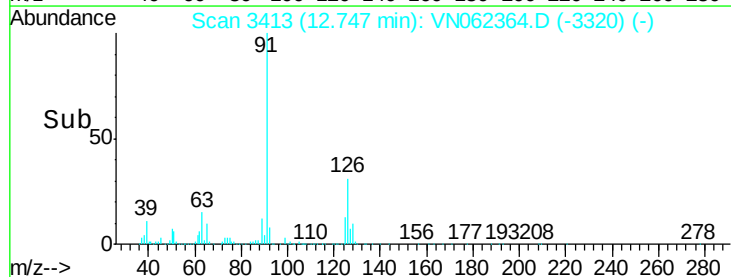
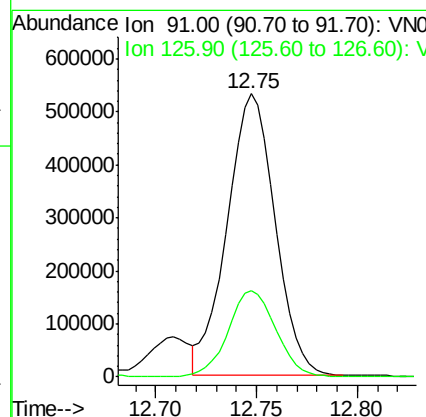
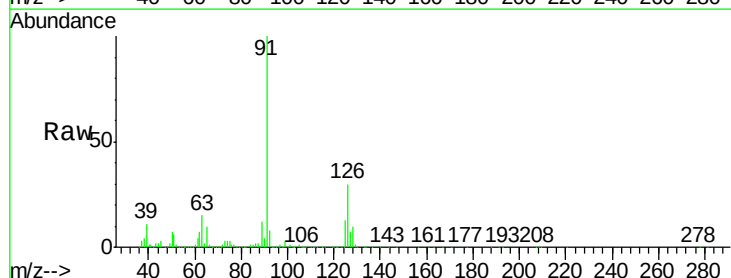
RT: 12.75 min Scan# 3413

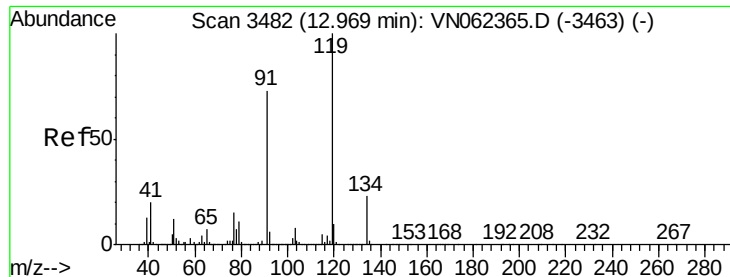
Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	91	Resp:	883700
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.7





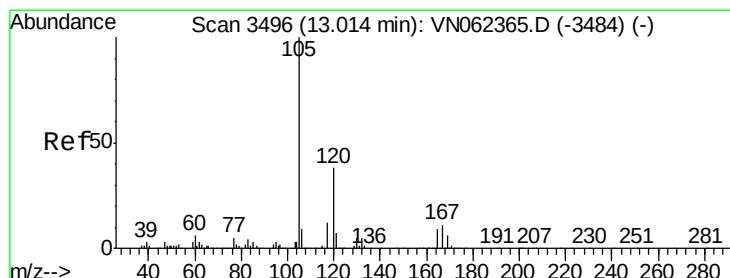
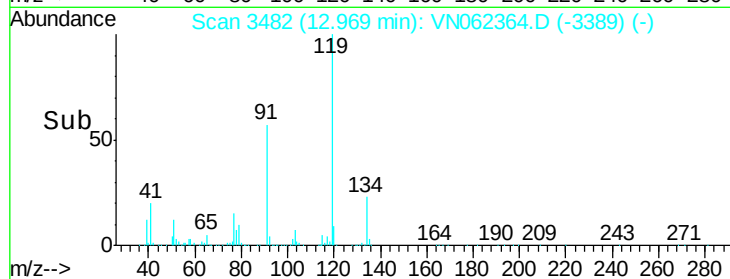
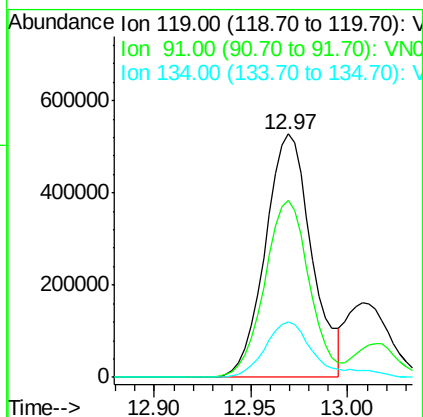
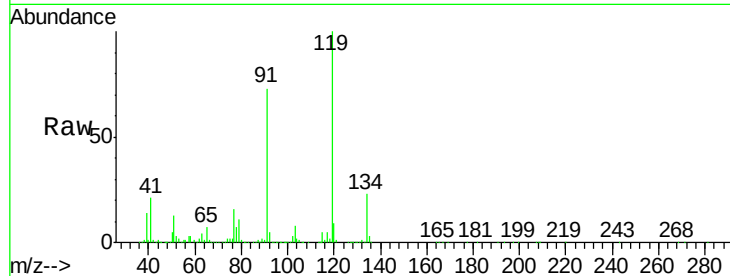
#83
tert-Butylbenzene
Concen: 21.416 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	36.4	109.1
134	24.8	11.7	35.0

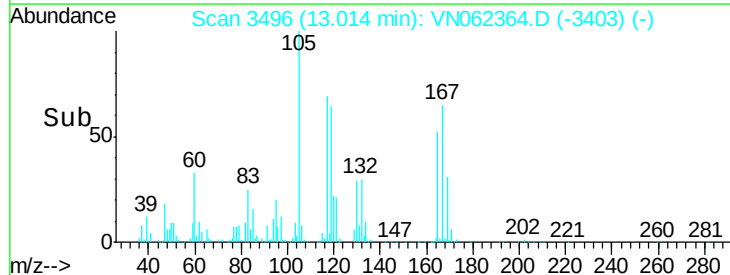
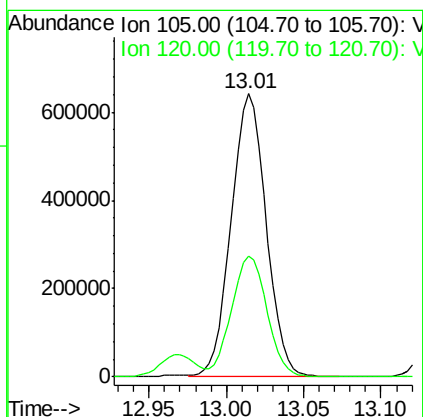
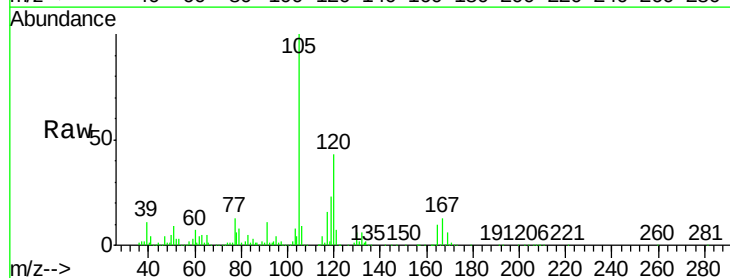
Manual Integrations
APPROVED

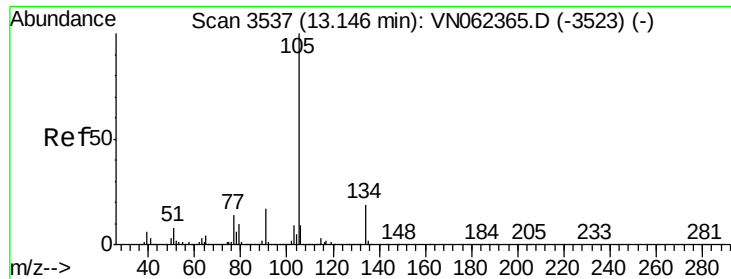
MMDadoda
7/7/2020 10:08:26 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.857 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.3





#85

sec-Butylbenzene

Concen: 20.740 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1131813

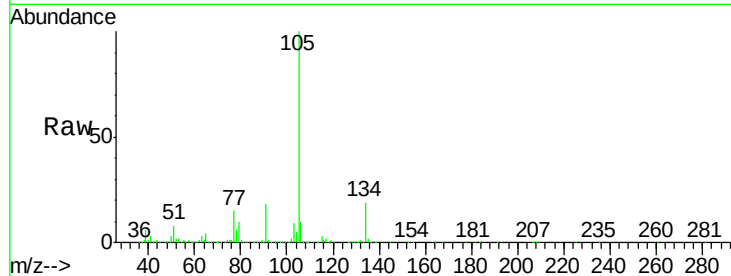
Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

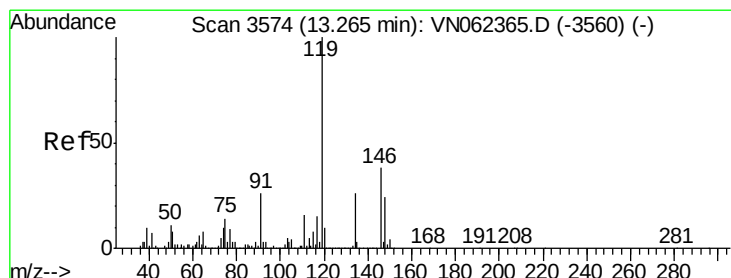
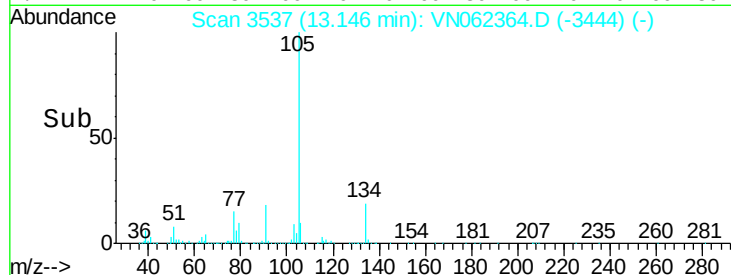
400000

200000

0

13.05 13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 20.885 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

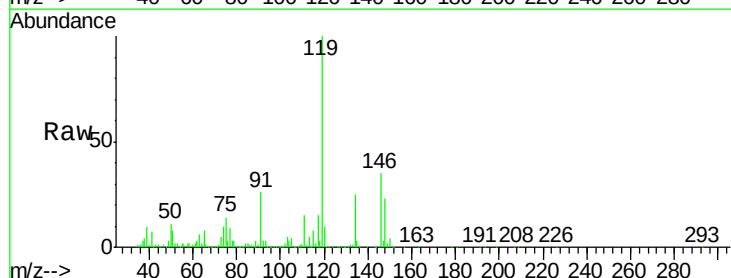
Tgt Ion:119 Resp: 996297

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 26.5 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

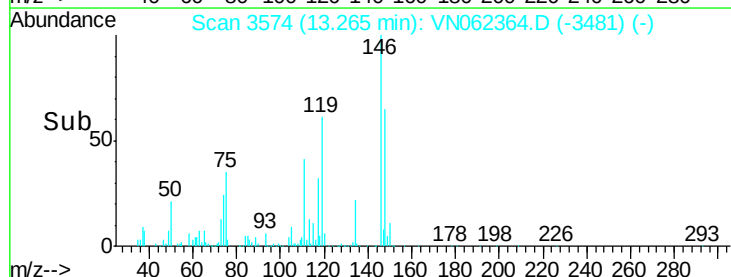
400000

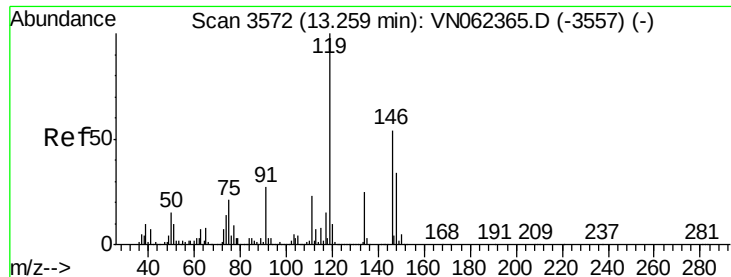
200000

0

13.20 13.30

Time-->





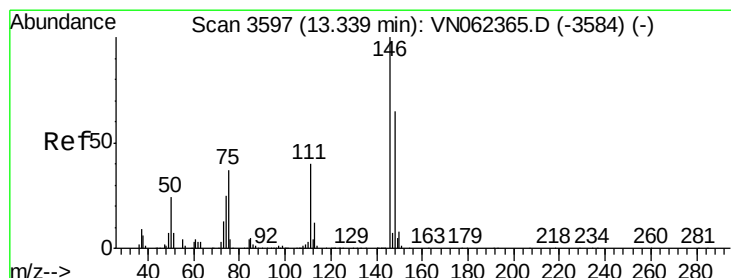
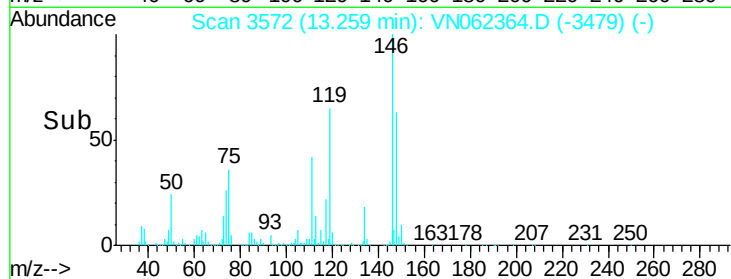
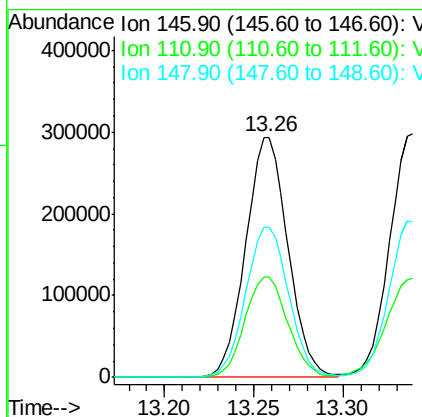
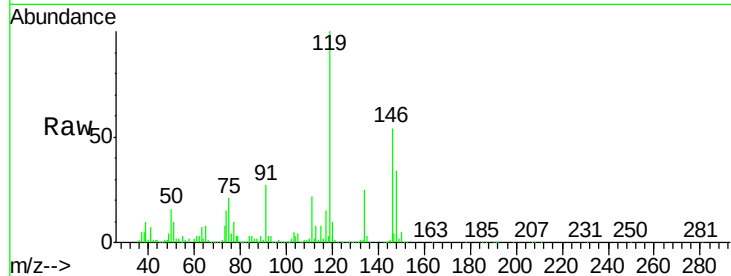
#87
 1,3-Dichlorobenzene
 Concen: 18.847 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	64.0	31.6	95.0

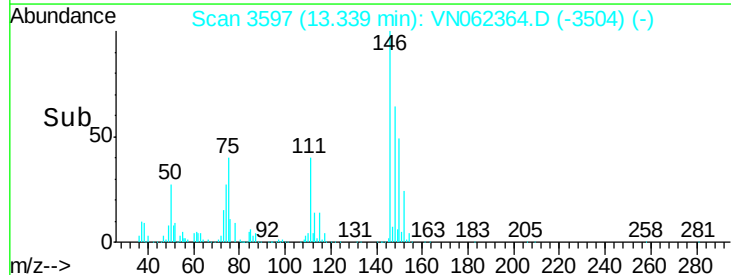
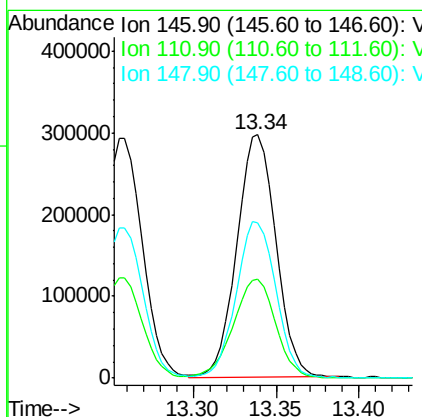
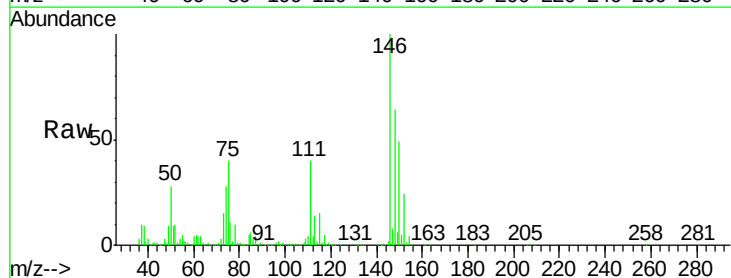
Manual Integrations
 APPROVED

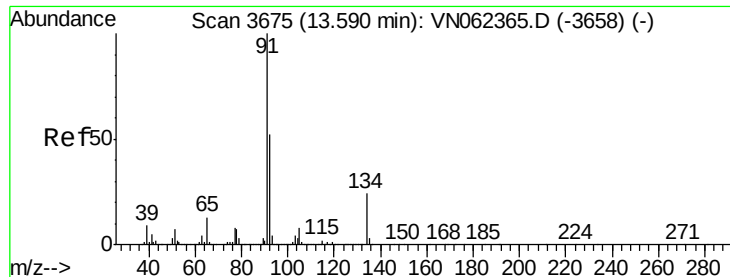
MMDadoda
 7/7/2020 10:08:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.357 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.6	61.8
148	65.4	31.8	95.4





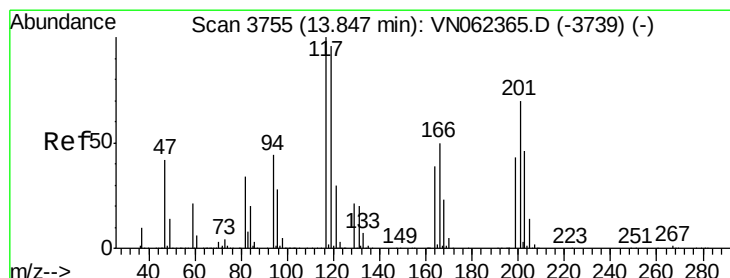
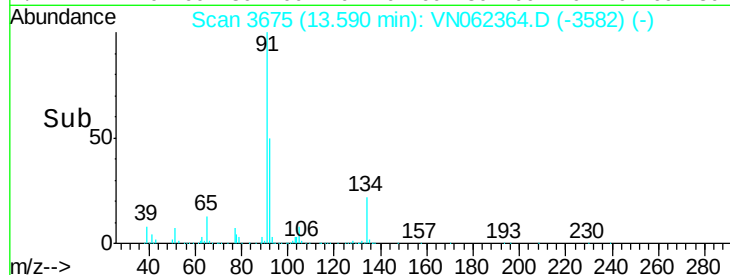
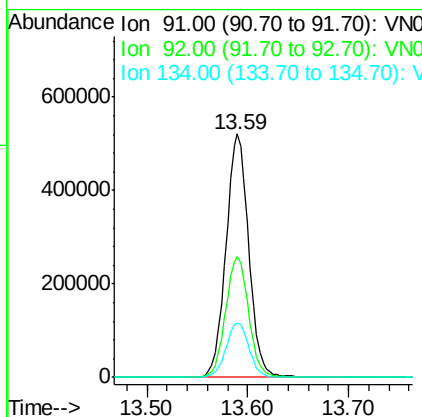
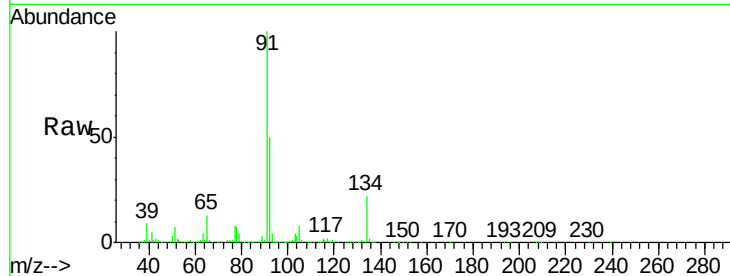
#89
n-Butylbenzene
Concen: 20.554 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.1
134	22.6	11.7	35.1

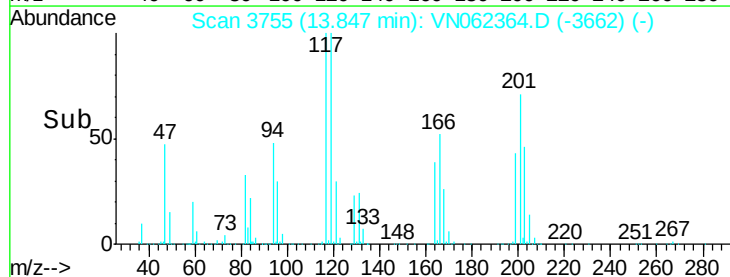
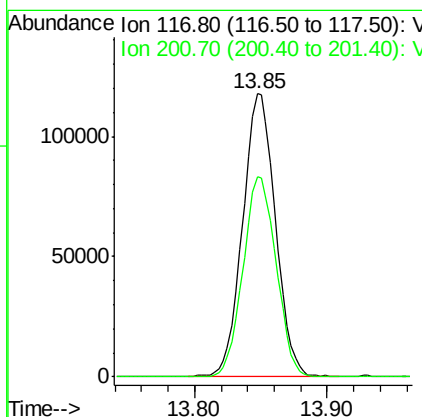
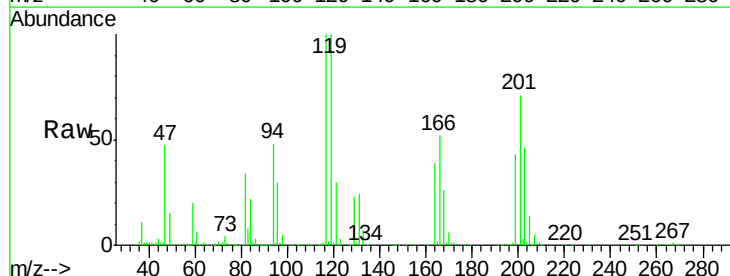
Manual Integrations
APPROVED

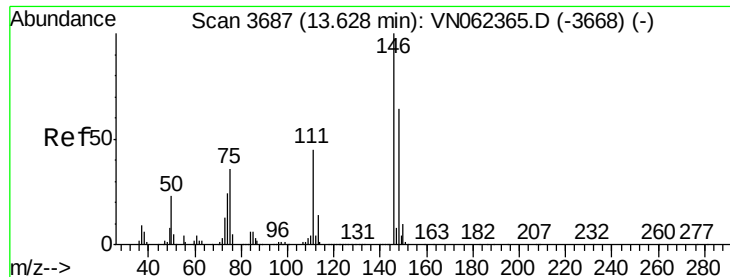
MMDadoda
7/7/2020 10:08:26 AM



#90
Hexachloroethane
Concen: 21.299 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.4	106.2





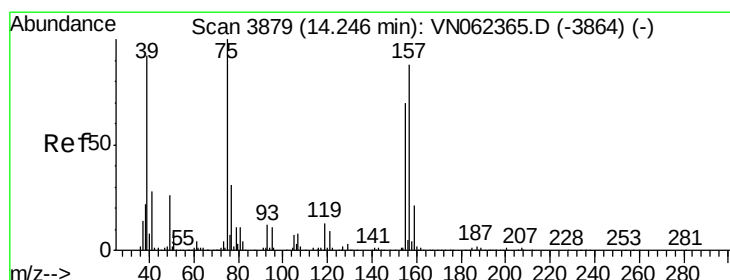
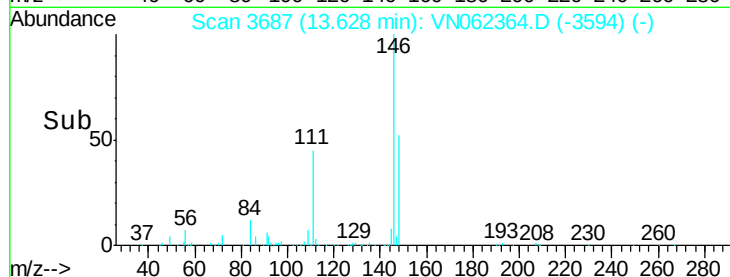
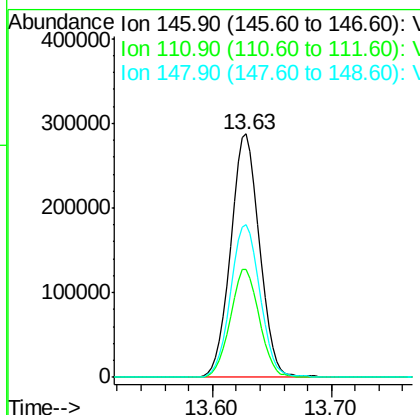
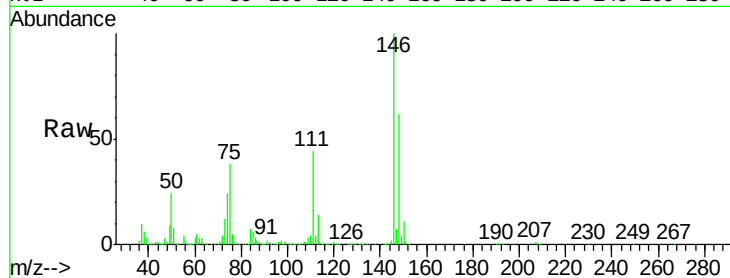
#91
 1,2-Dichlorobenzene
 Concen: 19.335 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.9
148	64.0	32.4	97.0

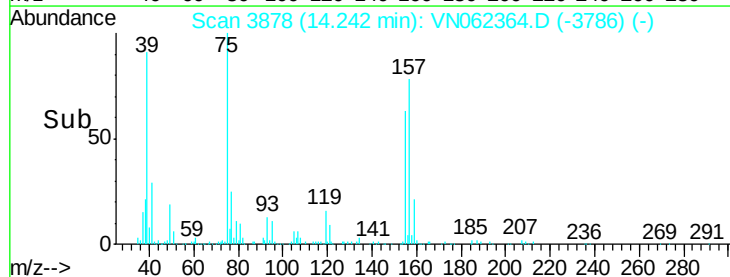
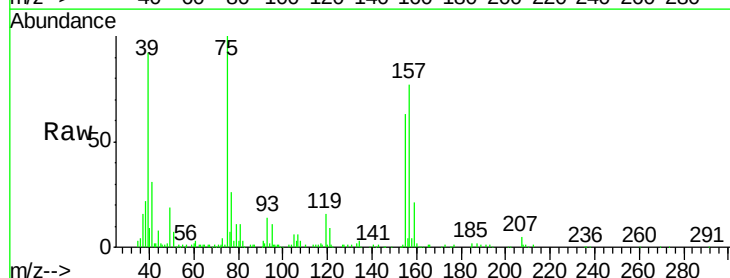
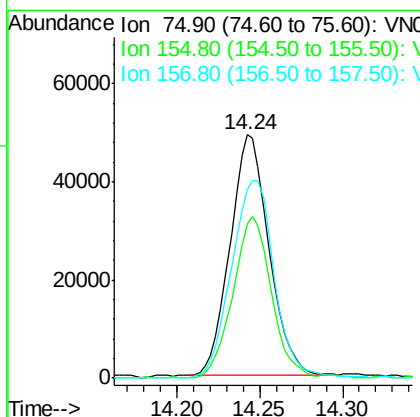
Manual Integrations
 APPROVED

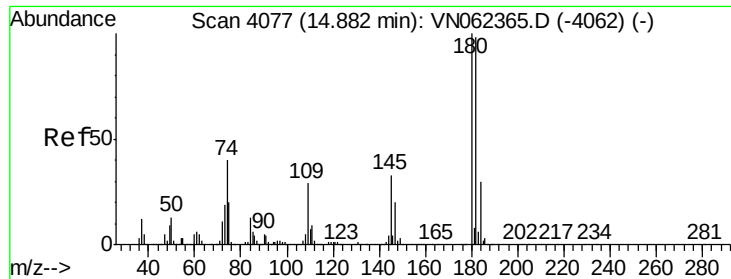
MMDadoda
 7/7/2020 10:08:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.368 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.9	34.1	102.2
157	90.2	43.3	129.8





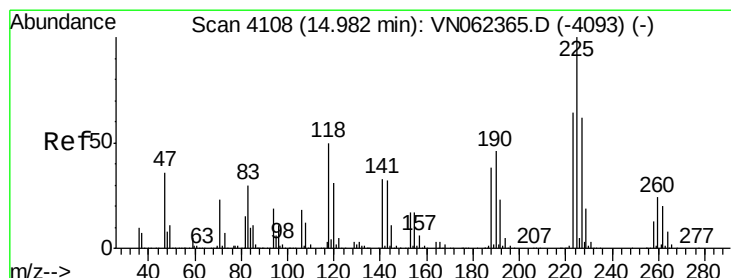
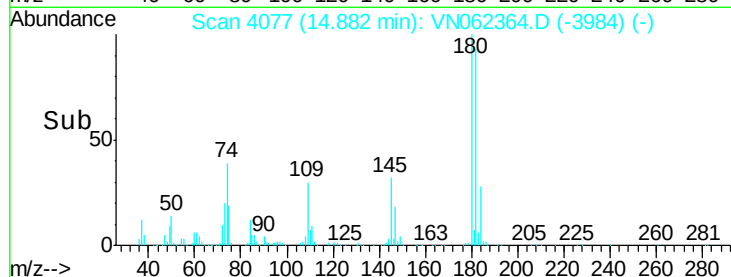
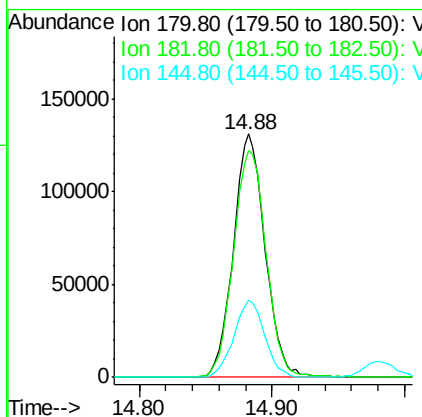
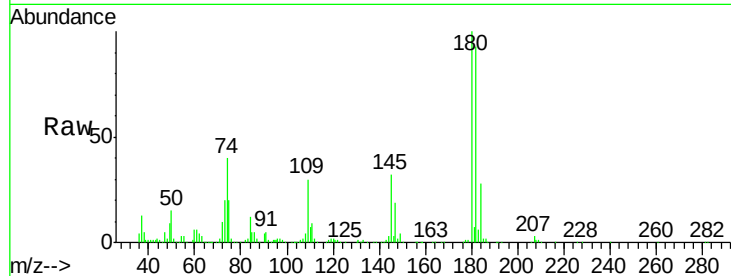
#93
 1,2,4-Trichlorobenzene
 Concen: 19.657 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216879		
182	96.4	47.6	142.8	
145	31.0	15.9	47.7	

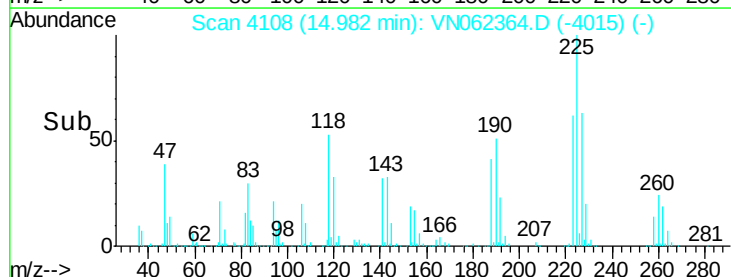
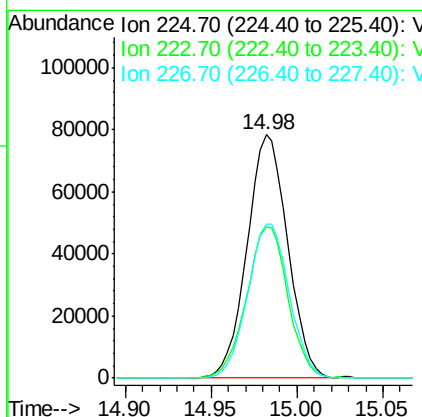
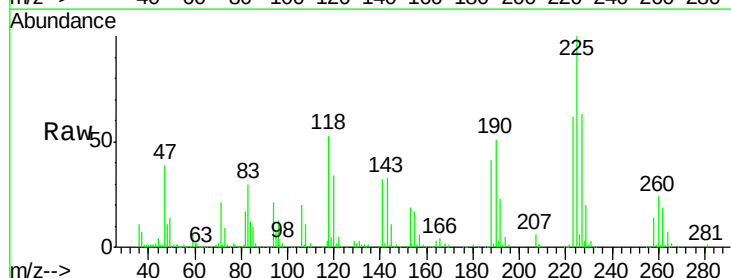
Manual Integrations
 APPROVED

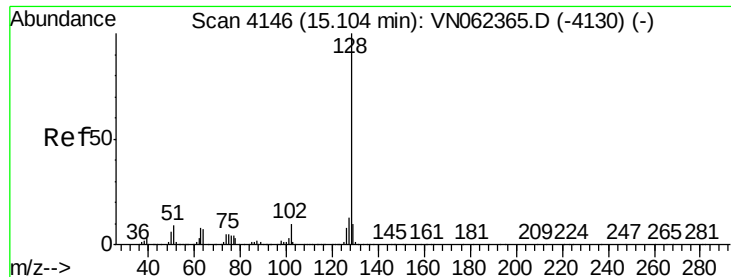
MMDadoda
 7/7/2020 10:08:26 AM



#94
 Hexachlorobutadiene
 Concen: 25.320 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128331		
223	63.5	31.7	95.1	
227	64.7	30.3	90.8	





#95

Naphthalene

Concen: 18.337 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

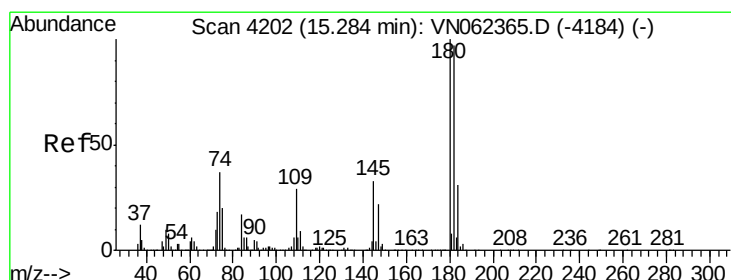
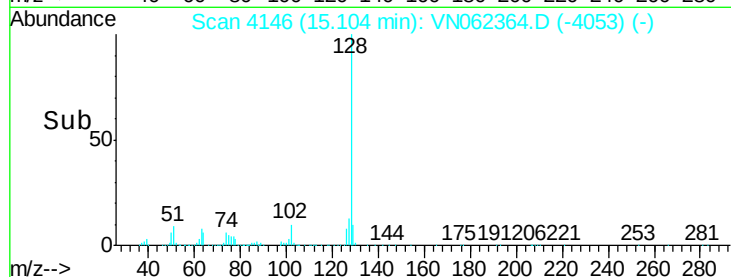
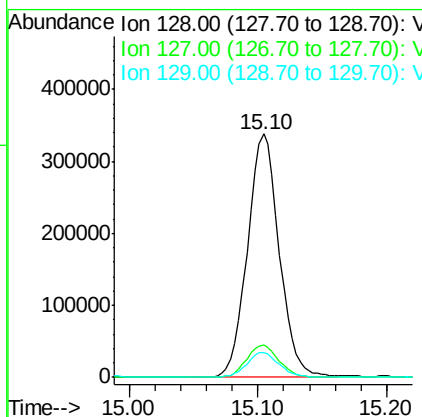
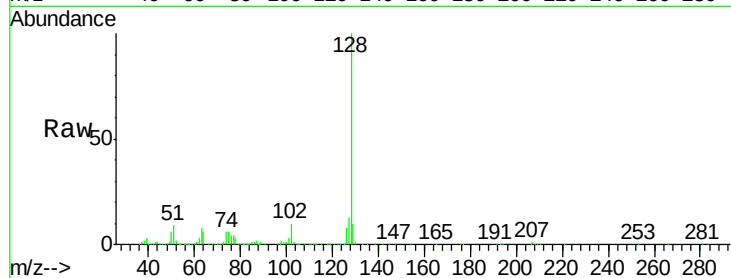
ClientSampled :

VSTDIC020

Tot Ion:	128	Resp:	580493
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.104 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion:	180	Resp:	214959
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.9	143.7
145	35.6	16.4	49.2

