

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057023.D
 Acq On : 1 Aug 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	80488	30.00	ug/l	-0.02
28) 1,4-Difluorobenzene	8.57	114	431389	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	369916	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	155446	29.51	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	157978	28.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.97%
63) Toluene-d8	10.08	98	537766	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	100655	20.916	ug/l 99
3) Chloromethane	2.06	50	111410	18.972	ug/l 99
4) Vinyl Chloride	2.18	62	106084	18.737	ug/l 99
5) Bromomethane	2.55	94	64536	18.565	ug/l 96
6) Chloroethane	2.69	64	57524	18.317	ug/l 100
7) Trichlorofluoromethane	3.00	101	145165	21.055	ug/l 100
8) Diethyl Ether	3.40	74	51143	19.907	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89290	20.621	ug/l 87
10) 1,1-Dichloroethene	3.72	96	83377	19.404	ug/l 98
11) Methyl Iodide	3.94	142	116526	18.330	ug/l 100
12) Methyl Acetate	4.31	43	76240	14.498	ug/l 93
13) Acrolein	3.60	56	65133	109.438	ug/l 95
14) Acrylonitrile	4.97	53	178821	88.172	ug/l 98
15) Acetone	3.80	58	74889	142.829	ug/l 92
16) Carbon Disulfide	4.04	76	224300	19.359	ug/l 99
17) Allyl chloride	4.31	41	127294	17.703	ug/l 97
18) Methylene Chloride	4.54	84	96003	19.196	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	89148	19.604	ug/l 98
20) Diisopropyl ether	5.93	45	269763	18.478	ug/l 99
21) 1,1-Dichloroethane	5.83	63	160880	18.962	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	101728	19.301	ug/l 98
23) tert-Butyl Alcohol	4.77	59	61795	91.304	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	240111	18.483	ug/l 99
25) Chloroform	7.36	83	162216	19.599	ug/l 96
26) Cyclohexane	7.64	56	149039	19.123	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	122057	19.938	ug/l 98
30) 2-Butanone	6.82	43	254175	103.344	ug/l 100
31) 2,2-Dichloropropane	6.81	77	120041	21.130	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	136350	20.271	ug/l 97
33) Carbon Tetrachloride	7.76	117	117500	20.014	ug/l 95
34) Benzene	8.03	78	373596	19.368	ug/l 99
35) Methacrylonitrile	7.18	41	64785m	26.376	ug/l
36) 1,2-Dichloroethane	8.11	62	118352	19.737	ug/l 99
37) Trichloroethene	8.82	130	104427	20.193	ug/l 99
38) Methylcyclohexane	9.07	83	155448	19.961	ug/l 98
39) 1,2-Dichloropropane	9.11	63	98716	19.173	ug/l 99
40) Dibromomethane	9.20	93	61891	19.595	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057023.D
 Acq On : 1 Aug 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	118986	19.604	ug/l	99
42) Vinyl Acetate	5.88	43	971494	88.696	ug/l	99
43) Ethyl Acetate	6.91	43	84741	16.807	ug/l	96
44) Isopropyl Acetate	8.15	43	153070	18.213	ug/l #	83
45) 1,4-Dioxane	9.19	88	30175	377.136	ug/l	96
46) Methyl methacrylate	9.19	41	68935	16.441	ug/l	94
47) n-amyl Acetate	12.06	43	105988	15.753	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	117321	18.576	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	141616	19.241	ug/l	98
50) 1,1,2-Trichloroethane	10.55	97	88370	19.487	ug/l	97
51) Ethyl methacrylate	10.42	69	114837	17.507	ug/l	99
52) 1,3-Dichloropropane	10.70	76	146772	19.177	ug/l	99
53) Dibromochloromethane	10.89	129	90482	19.195	ug/l	100
54) 1,2-Dibromoethane	11.00	107	88604	19.152	ug/l	100
55) 2-Chloroethyl vinyl ether	9.68	63	229033	80.623	ug/l	98
56) Bromoform	12.12	173	61824	18.956	ug/l	98
58) 4-Methyl-2-Pentanone	9.97	43	438064	88.246	ug/l	97
59) 2-Hexanone	10.74	43	318633	94.197	ug/l	98
61) Tetrachloroethene	10.62	164	111292	21.467	ug/l	99
62) Toluene	10.15	91	395890	19.678	ug/l	99
64) Chlorobenzene	11.43	112	243103	20.060	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	91961	20.035	ug/l	99
66) Ethyl Benzene	11.50	91	415271	19.588	ug/l	99
67) m/p-Xylenes	11.62	106	317206	40.124	ug/l	99
68) o-Xylene	11.94	106	152057	19.563	ug/l	100
69) Styrene	11.96	104	241965	19.210	ug/l	99
70) Isopropylbenzene	12.24	105	407008	19.887	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	110875	19.342	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	94042m	18.646	ug/l	
73) Bromobenzene	12.52	156	103174	19.536	ug/l	98
74) n-propylbenzene	12.59	91	431330	19.275	ug/l	99
75) 2-Chlorotoluene	12.67	91	267422	19.711	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	347884	20.191	ug/l	98
77) t-1,4-Dichloro-2-butene	12.29	75	27573	17.412	ug/l	93
78) 4-Chlorotoluene	12.77	91	242120	18.774	ug/l	100
79) tert-butylbenzene	12.99	119	301008	20.246	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	332354	19.788	ug/l	99
81) sec-Butylbenzene	13.17	105	382901	19.726	ug/l	100
82) p-Isopropyltoluene	13.29	119	339837	19.494	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	152750	18.370	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	140350	17.852	ug/l	99
85) n-Butylbenzene	13.61	91	239260	17.479	ug/l	98
86) Hexachloroethane	13.87	117	57430	19.685	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	157479	19.067	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14208	16.021	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	52269	17.204	ug/l	99
90) Hexachlorobutadiene	15.00	225	67533	22.245	ug/l	98
91) Naphthalene	15.12	128	116967	15.692	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	60981	13.966	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057023.D
Acq On : 1 Aug 2019 9:03
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
Response via : Initial Calibration

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

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

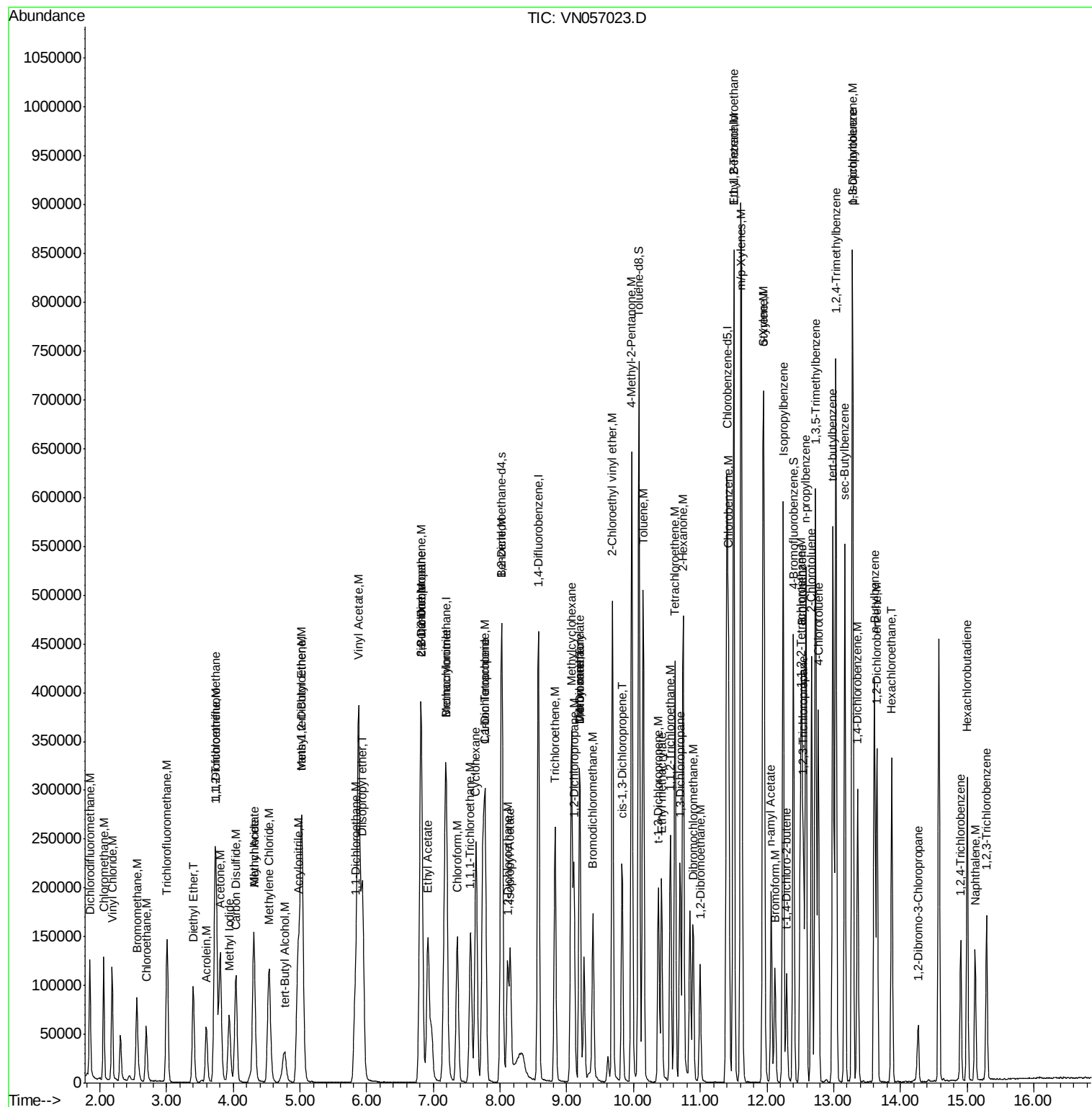
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057023.D
 Acq On : 1 Aug 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

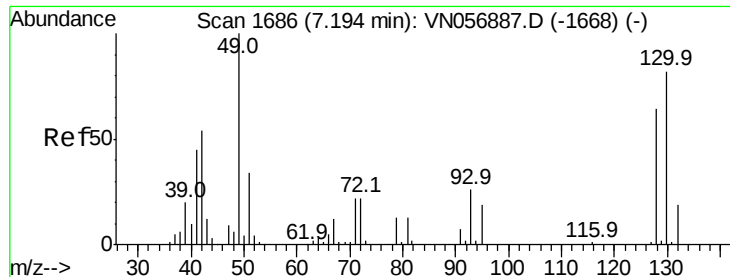
Instrument :
 MSVOA_N
 Client Sample ID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

Quant Time: Aug 02 10:23:50 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:128 Resp: 80488

Ion Ratio Lower Upper

128 100

49 150.6 0.0 385.8

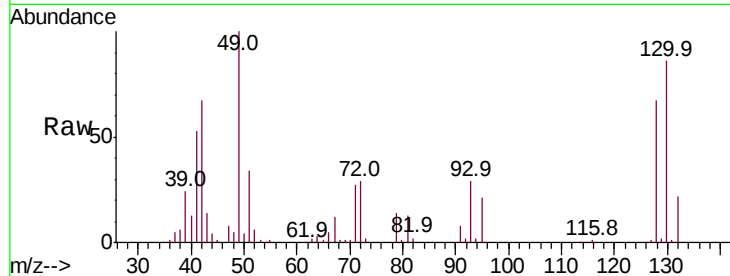
130 130.4 0.0 322.5

Manual Integrations

APPROVED

MMDadoda

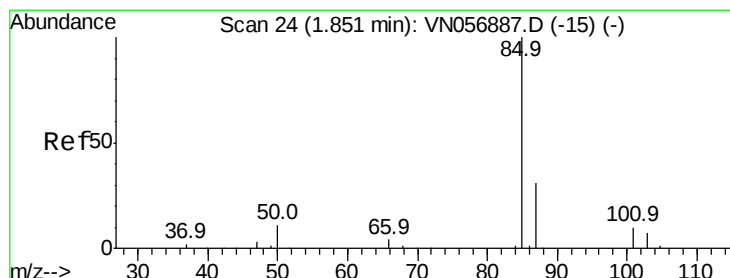
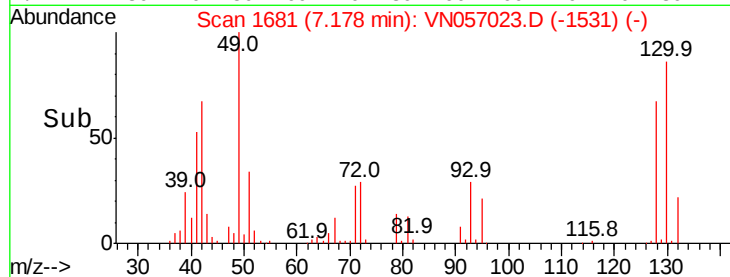
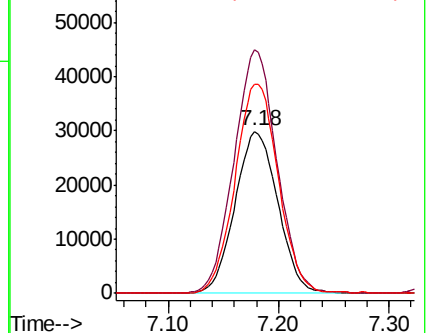
8/2/2019 10:44:50 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.916 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057023.D

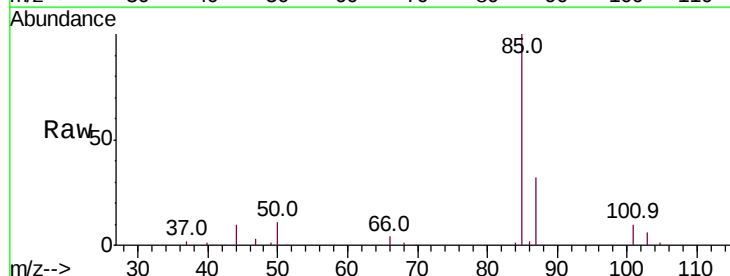
Acq: 1 Aug 2019 9:03

Tgt Ion: 85 Resp: 100655

Ion Ratio Lower Upper

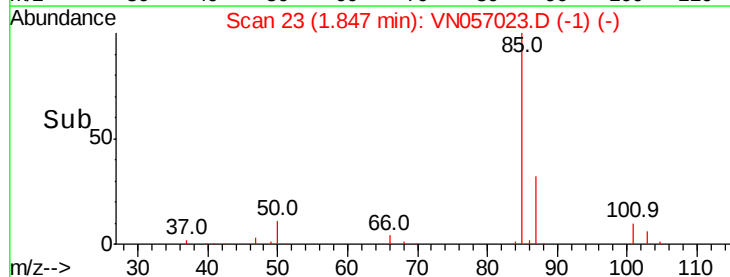
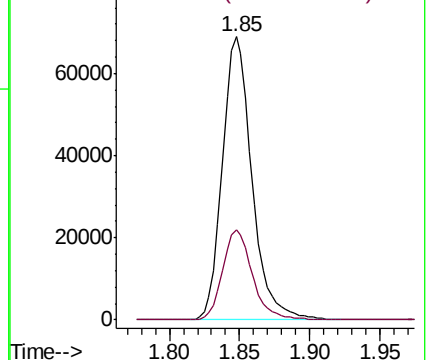
85 100

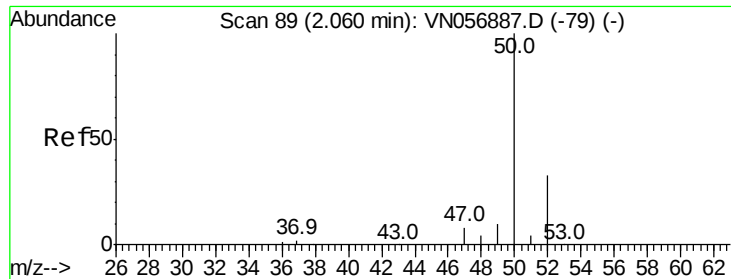
87 31.8 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.972 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 111410

Ion Ratio Lower Upper

50 100

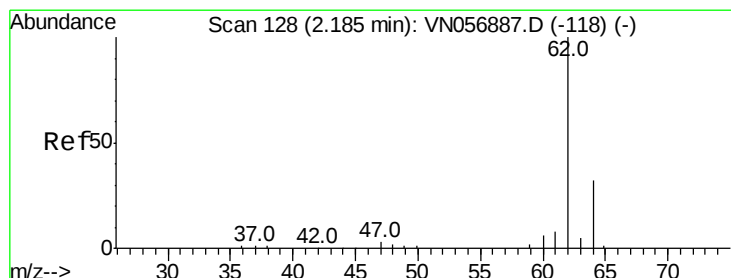
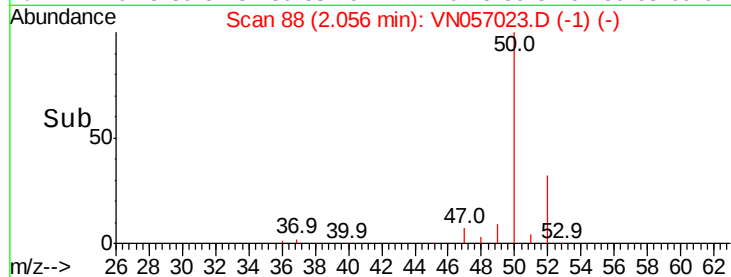
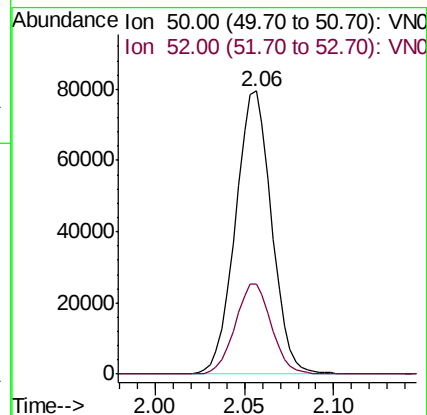
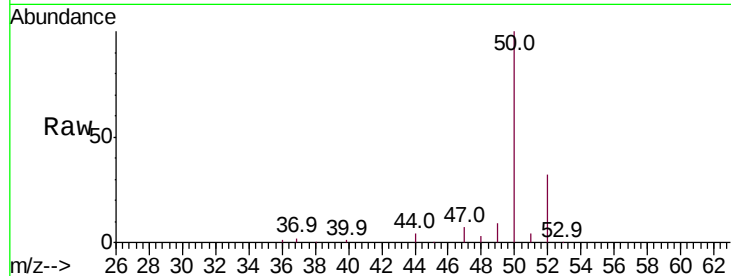
52 31.9 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:50 AM



#4

Vinyl Chloride

Concen: 18.737 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057023.D

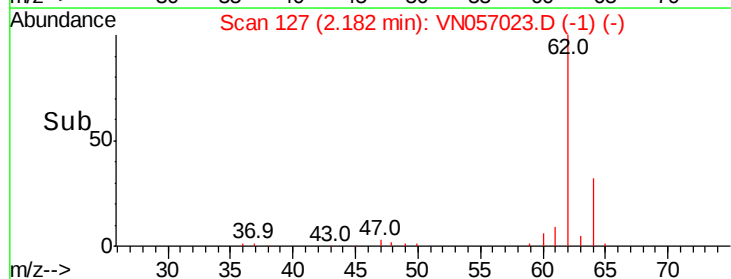
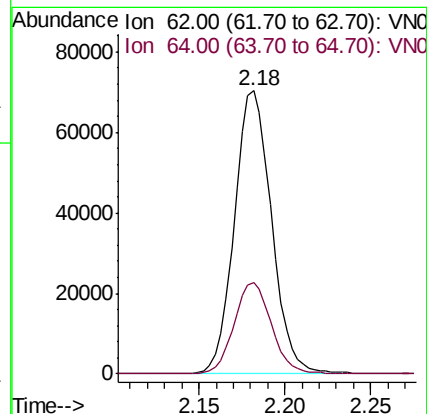
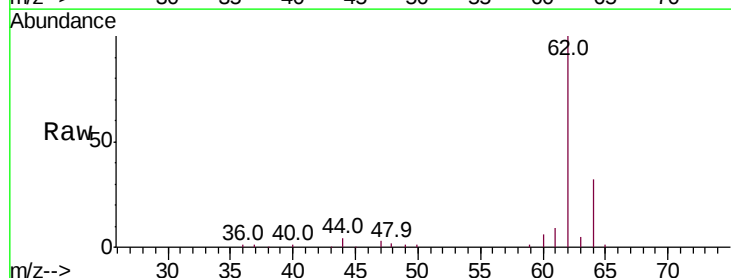
Acq: 1 Aug 2019 9:03

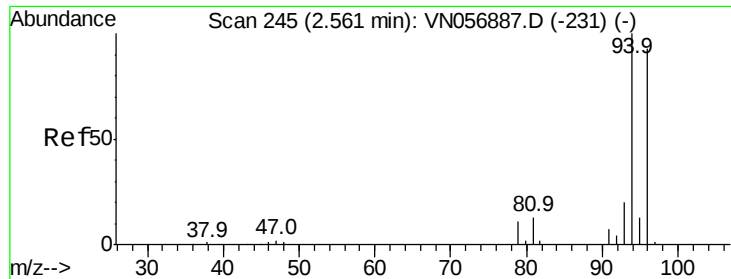
Tgt Ion: 62 Resp: 106084

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 18.565 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 64536

Ion Ratio Lower Upper

94 100

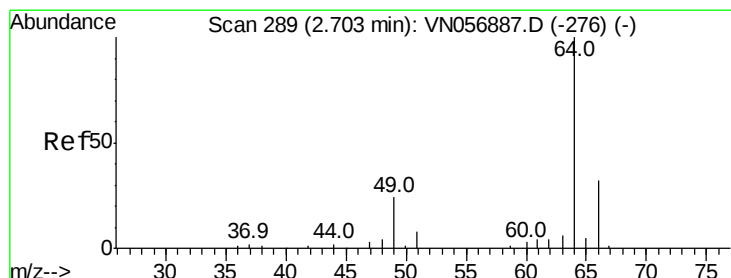
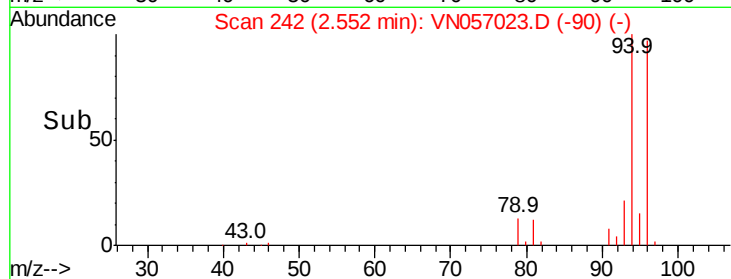
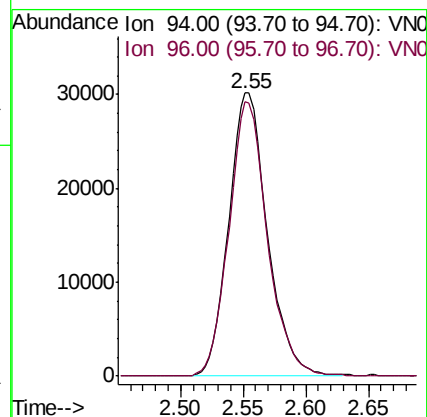
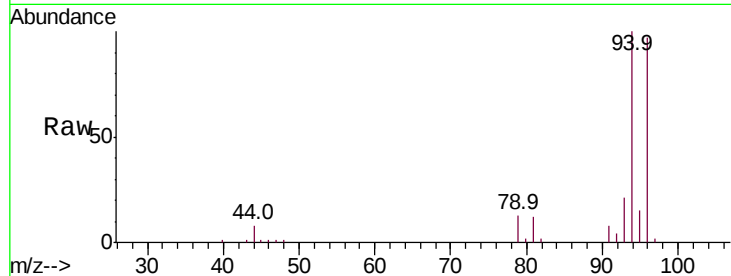
96 97.0 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:50 AM



#6

Chloroethane

Concen: 18.317 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN057023.D

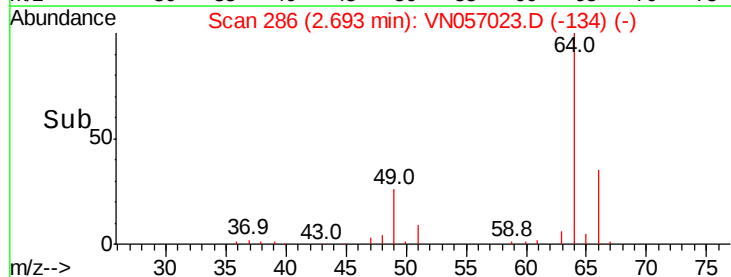
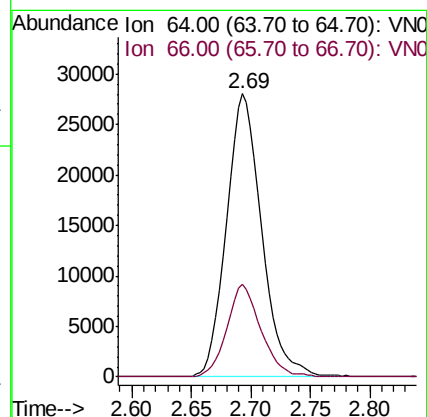
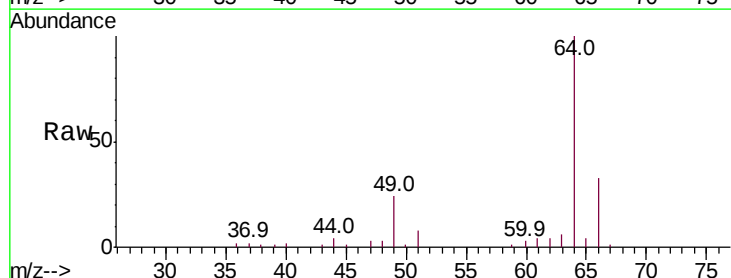
Acq: 1 Aug 2019 9:03

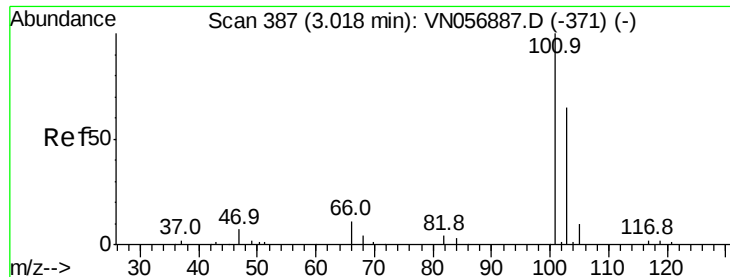
Tgt Ion: 64 Resp: 57524

Ion Ratio Lower Upper

64 100

66 32.6 25.8 38.8





#7

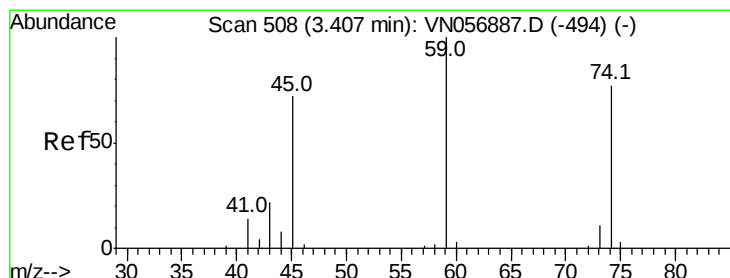
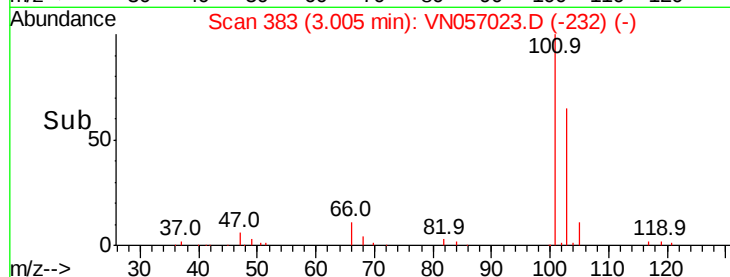
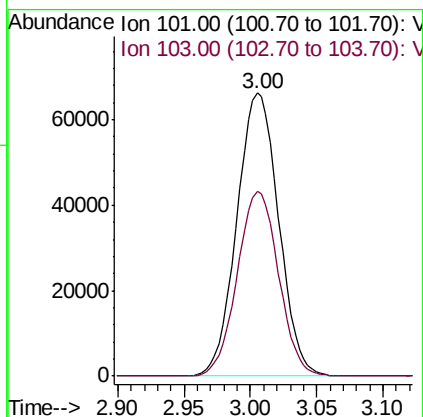
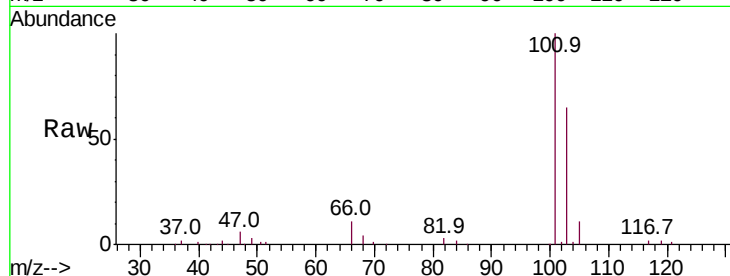
Trichlorofluoromethane
Concen: 21.055 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:101 Resp: 145165
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4

Manual Integrations
APPROVED

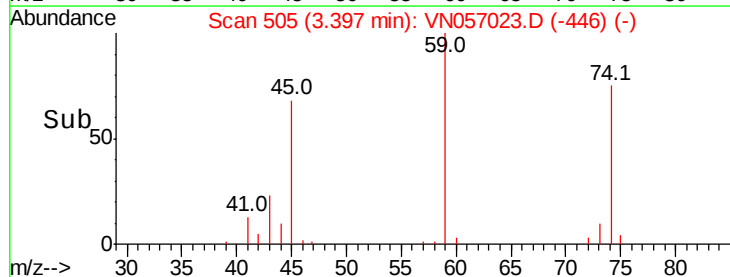
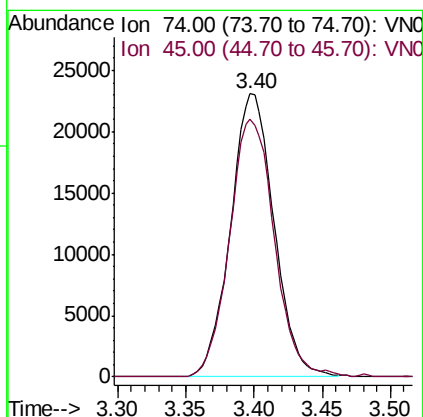
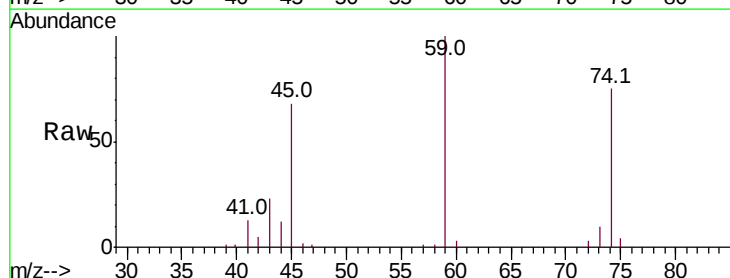
MMDadoda
8/2/2019 10:44:50 AM

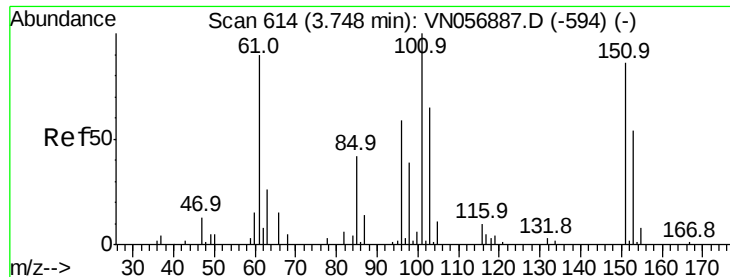


#8

Diethyl Ether
Concen: 19.907 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 74 Resp: 51143
Ion Ratio Lower Upper
74 100
45 93.3 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.621 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

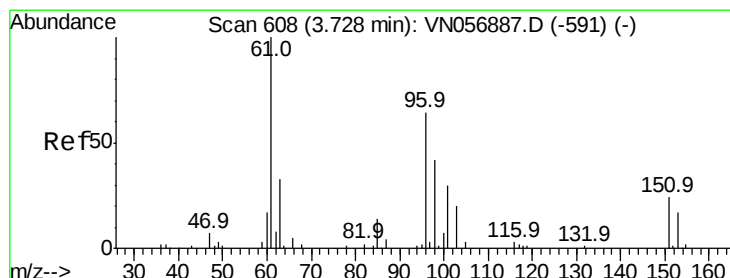
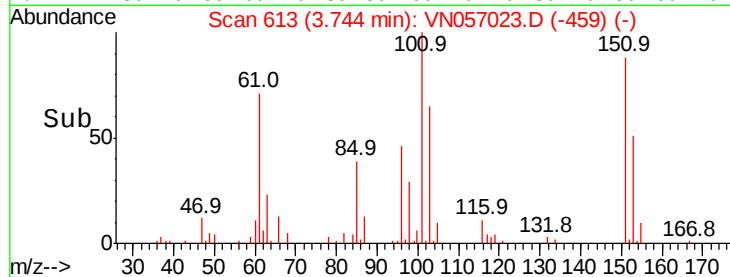
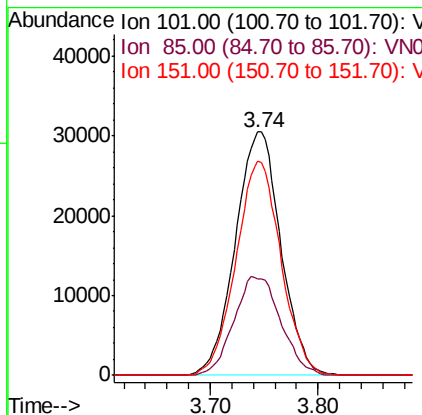
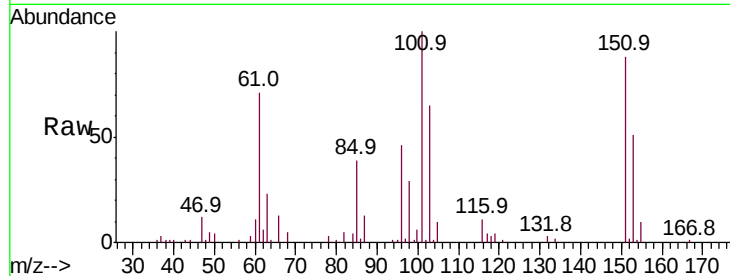
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	89290
Ion Ratio	Lower	Upper	
101	100		
85	22.6	0.0	85.0
151	86.9	0.0	167.2

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM



#10

1,1-Dichloroethene

Concen: 19.404 ug/l

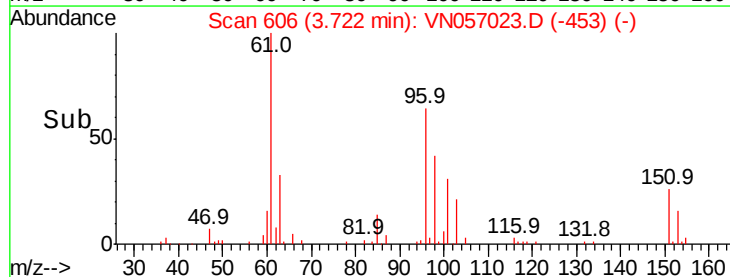
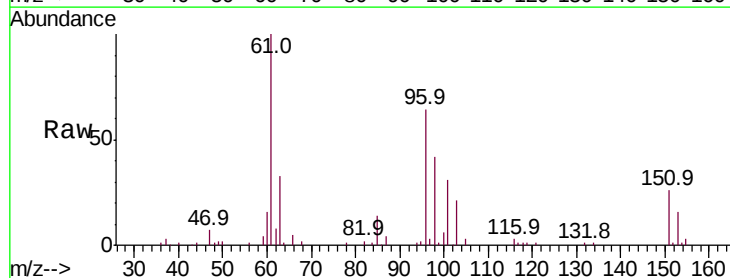
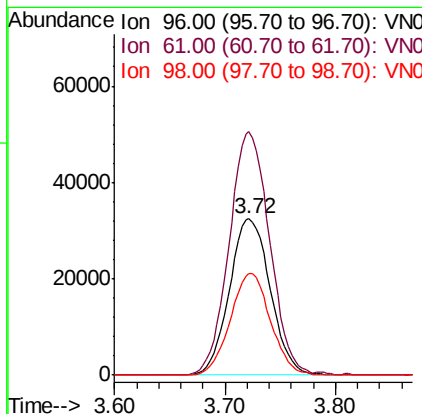
RT: 3.72 min Scan# 606

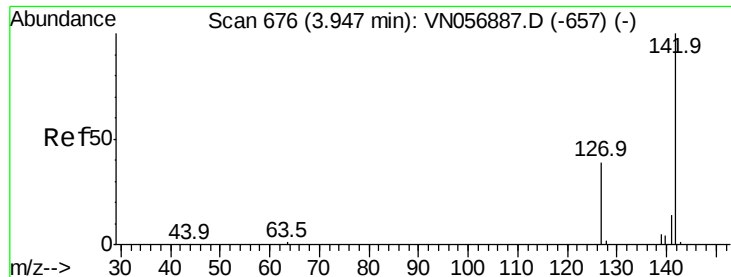
Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Tgt Ion:	96	Resp:	83377
Ion Ratio	Lower	Upper	
96	100		
61	155.2	125.8	188.8
98	64.8	52.7	79.1





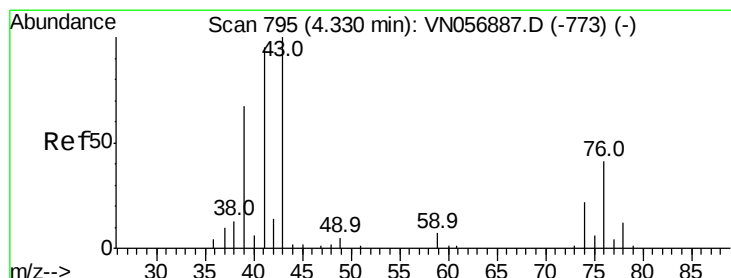
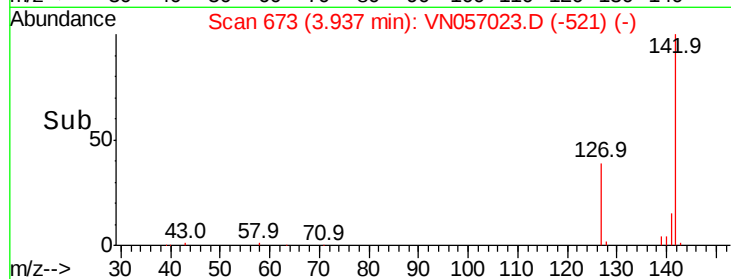
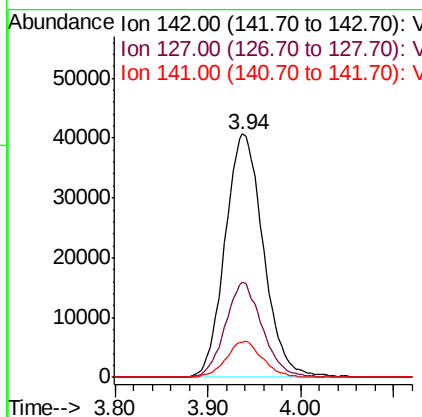
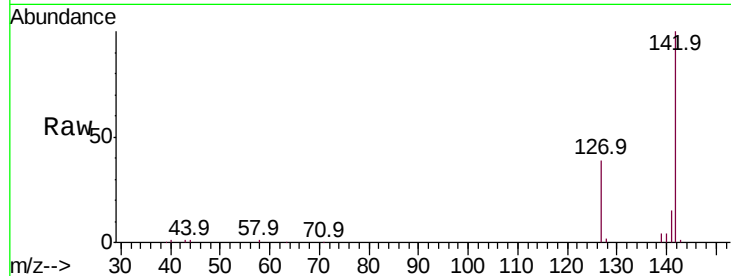
#11
Methvl Iodide
Concen: 18.330 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	19.6	58.8
141	14.6	7.2	21.6

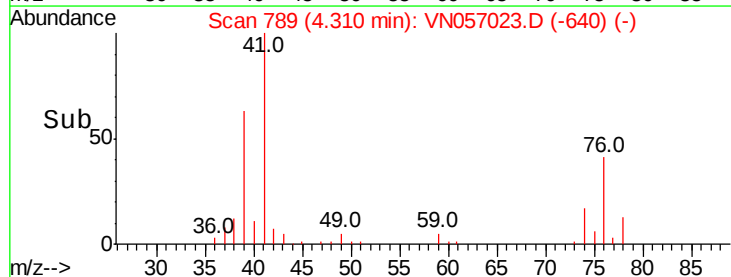
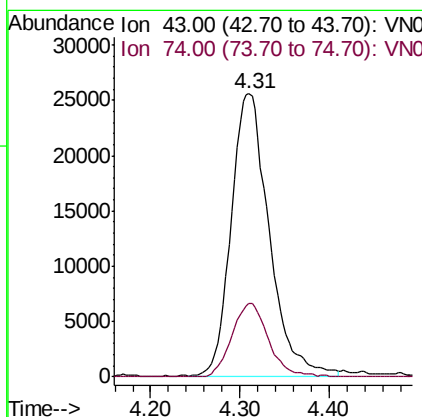
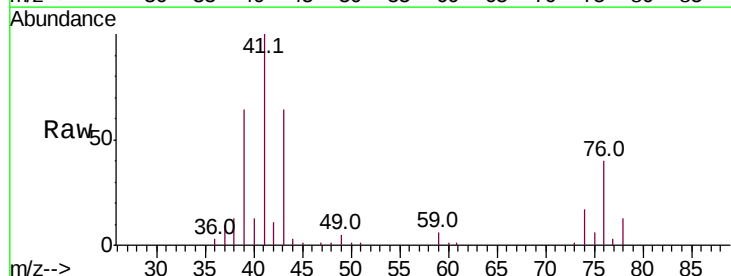
Manual Integrations
APPROVED

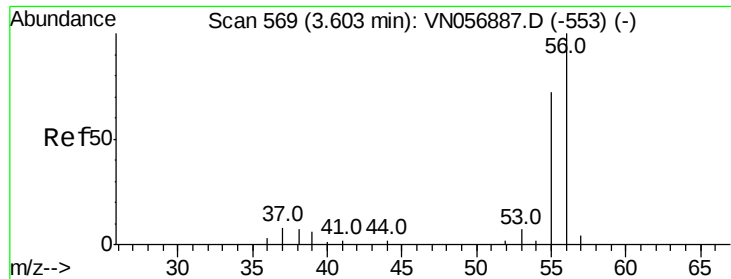
MMDadoda
8/2/2019 10:44:50 AM



#12
Methyl Acetate
Concen: 14.498 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	18.1	27.1





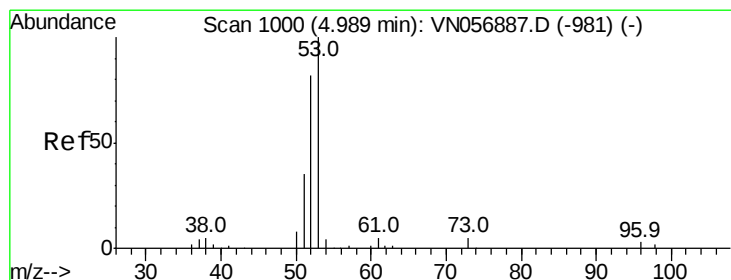
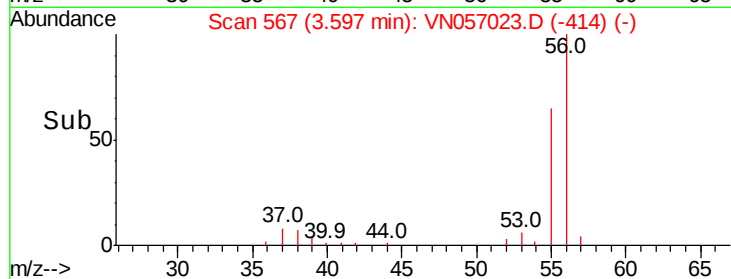
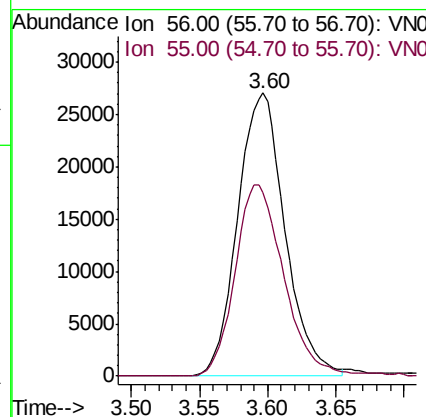
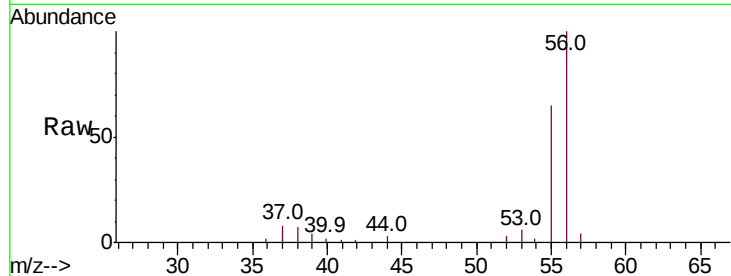
#13
Acrolein
Concen: 109.438 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 56 Resp: 65133
Ion Ratio Lower Upper
56 100
55 69.3 58.5 87.7

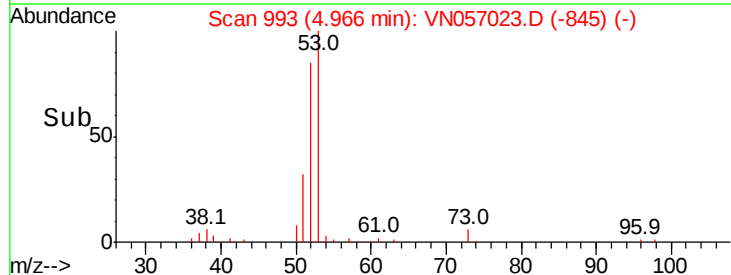
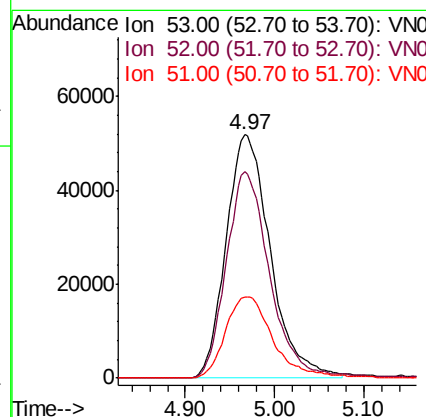
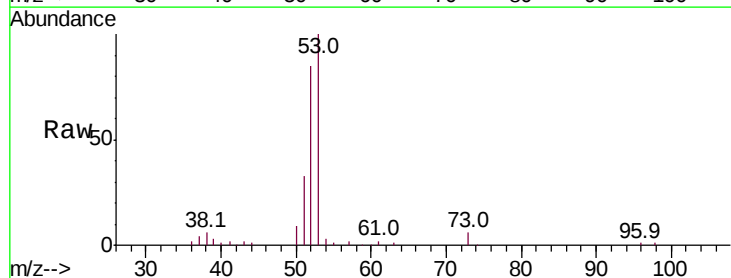
Manual Integrations
APPROVED

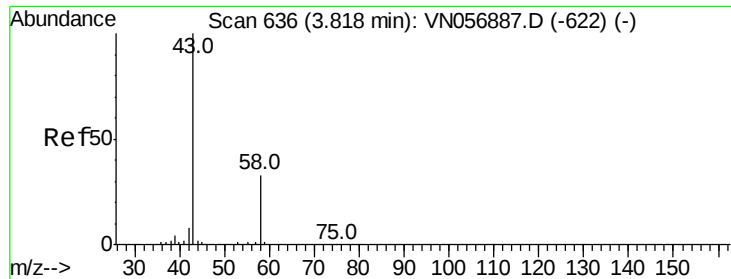
MMDadoda
8/2/2019 10:44:50 AM



#14
Acrylonitrile
Concen: 88.172 ug/l
RT: 4.97 min Scan# 993
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 53 Resp: 178821
Ion Ratio Lower Upper
53 100
52 83.5 40.8 122.5
51 35.4 17.4 52.2





#15

Acetone

Concen: 142.829 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 74889

Ion Ratio Lower Upper

58 100

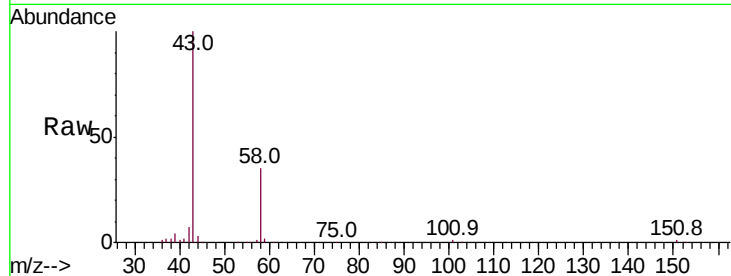
43 286.5 242.4 363.6

Manual Integrations

APPROVED

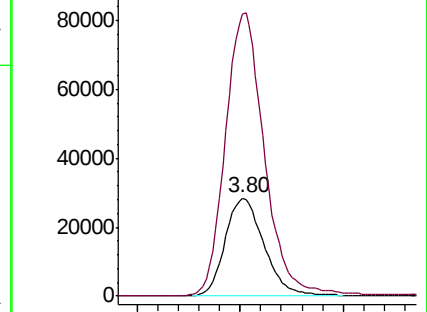
MMDadoda

8/2/2019 10:44:50 AM

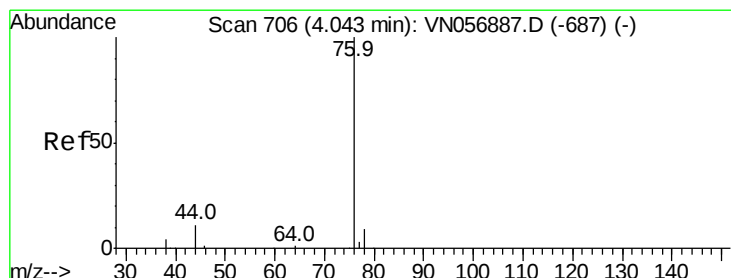
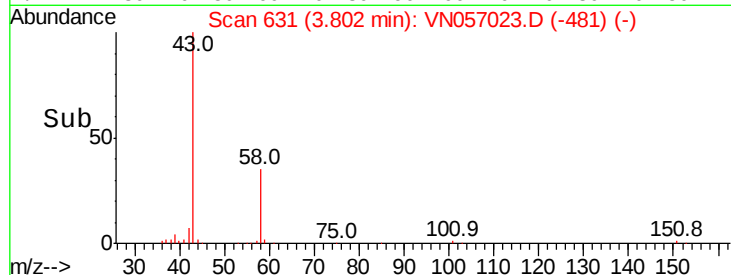


Abundance Ion 58.00 (57.70 to 58.70): VN056887.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-622) (-)



Time-->



#16

Carbon Disulfide

Concen: 19.359 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057023.D

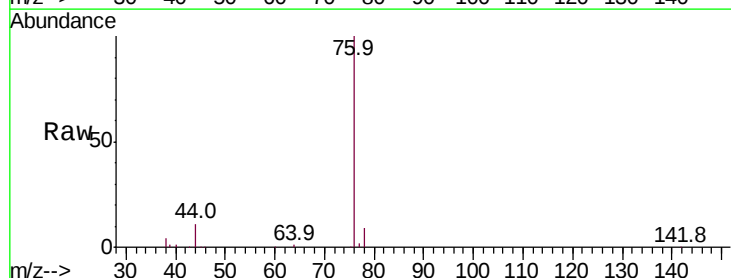
Acq: 1 Aug 2019 9:03

Tgt Ion: 76 Resp: 224300

Ion Ratio Lower Upper

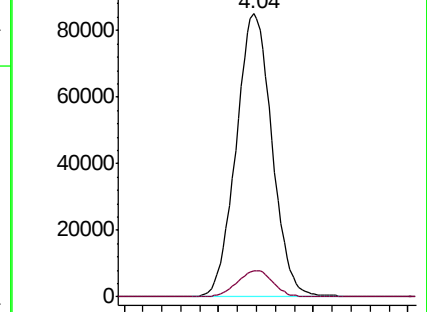
76 100

78 9.1 7.1 10.7

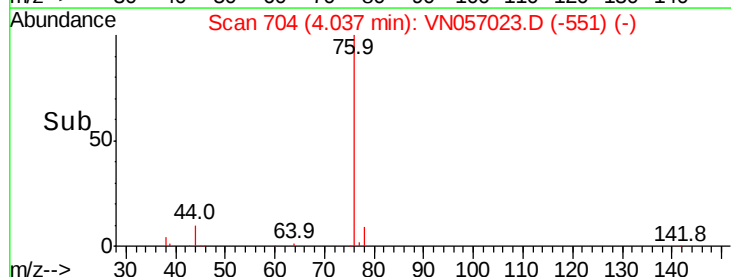


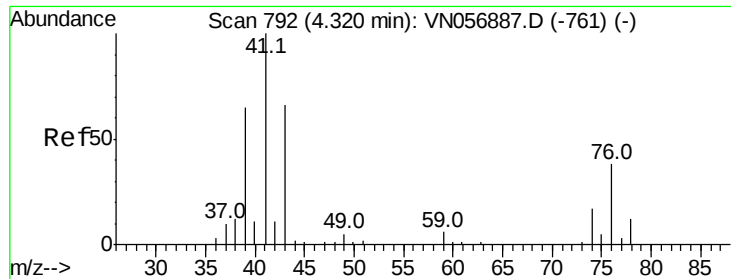
Abundance Ion 76.00 (75.70 to 76.70): VN056887.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN056887.D (-687) (-)



Time-->





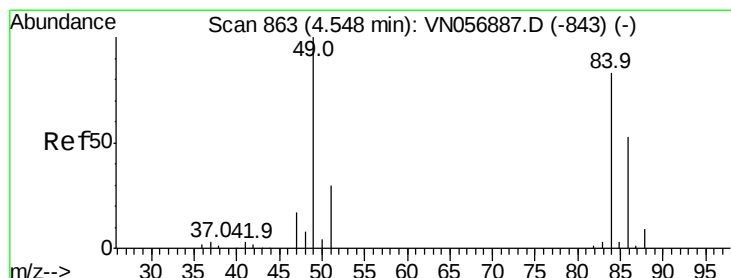
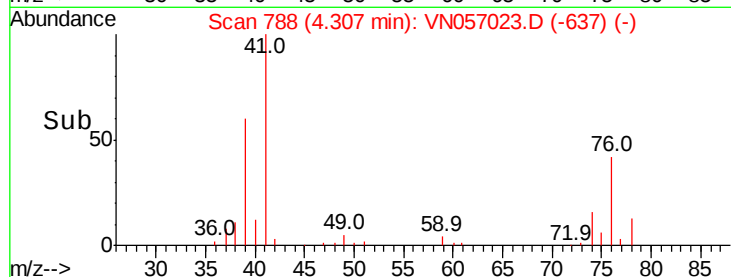
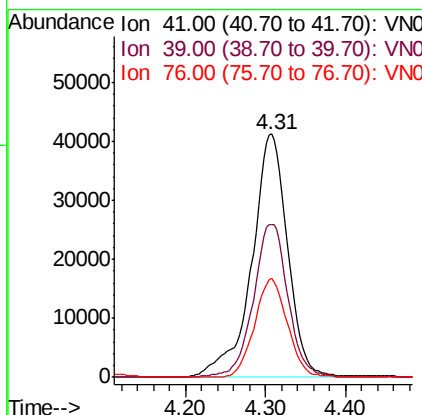
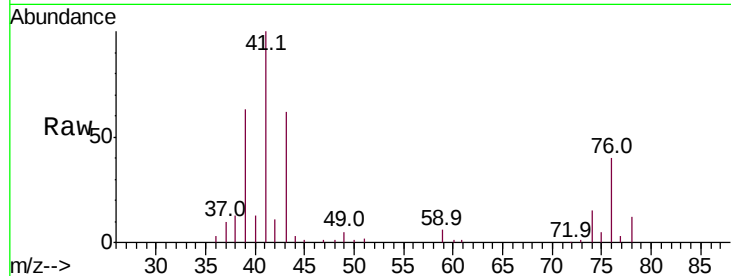
#17
Allvl chloride
Concen: 17.703 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	127294		
39	62.9		32.4	97.0
76	40.4		19.0	57.0

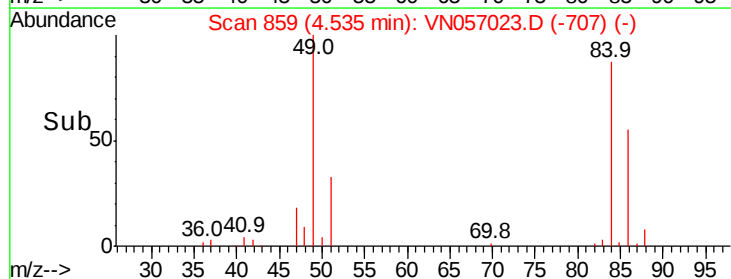
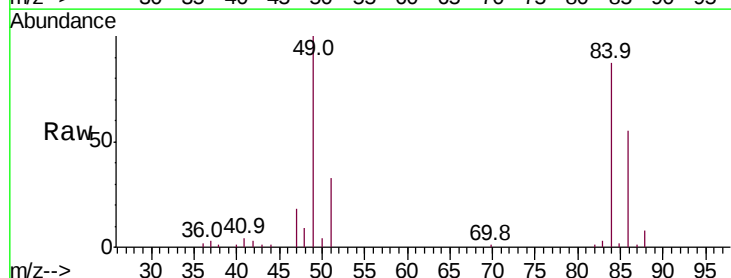
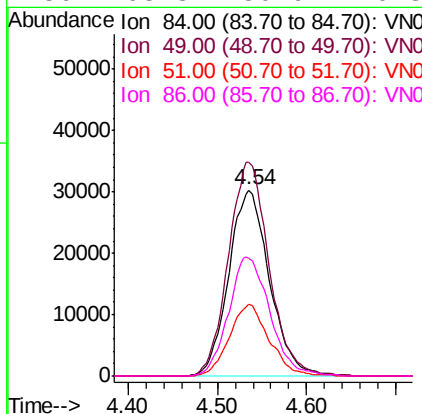
Manual Integrations
APPROVED

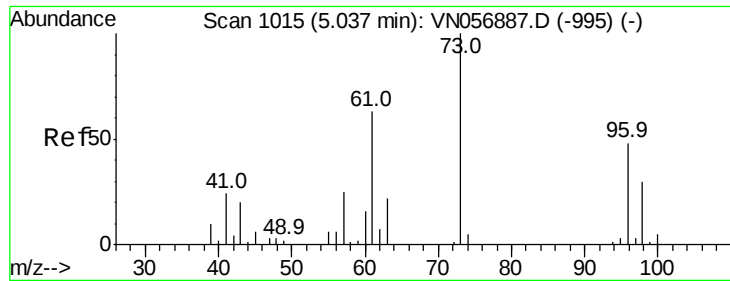
MMDadoda
8/2/2019 10:44:50 AM



#18
Methylene Chloride
Concen: 19.196 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	96003		
49	114.8		96.3	144.5
51	38.3		28.8	43.2
86	63.3		50.9	76.3





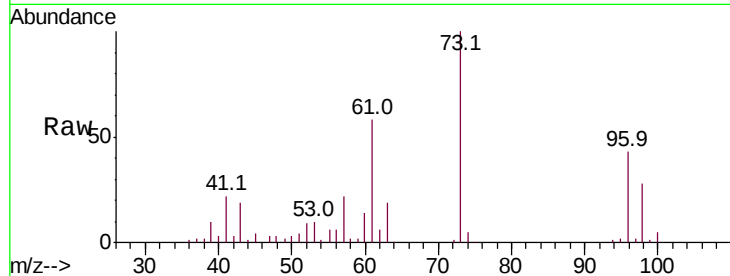
#19
trans-1,2-Dichloroethene
Concen: 19.604 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	105.4	158.0
98	65.3	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM

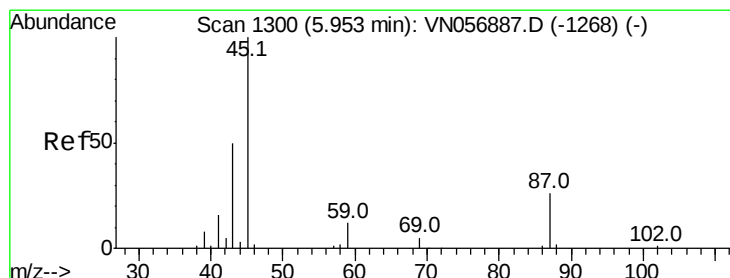
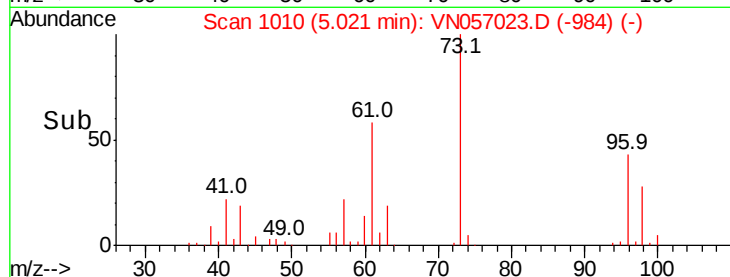
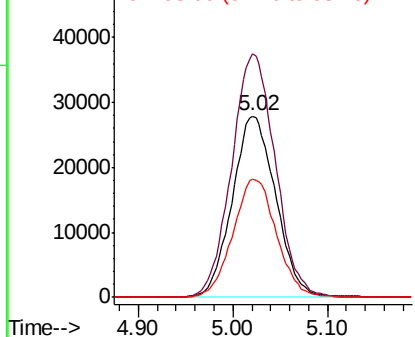


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 18.478 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.4	71.0
87	28.2	21.7	32.5
59	11.1	9.3	13.9

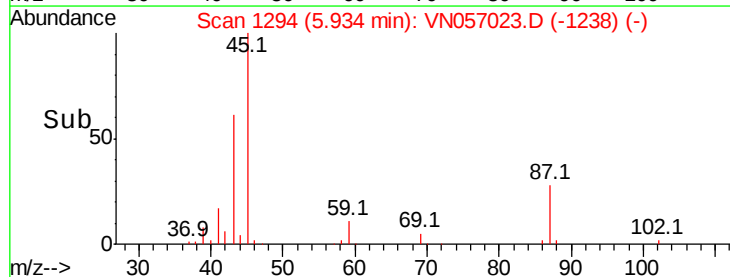
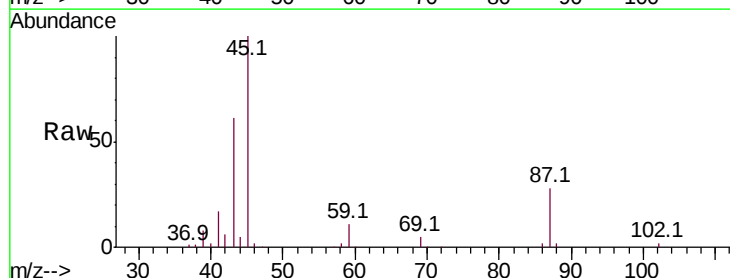
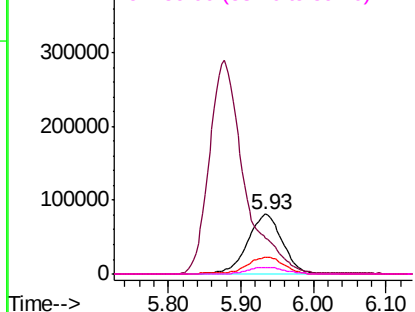
Abundance

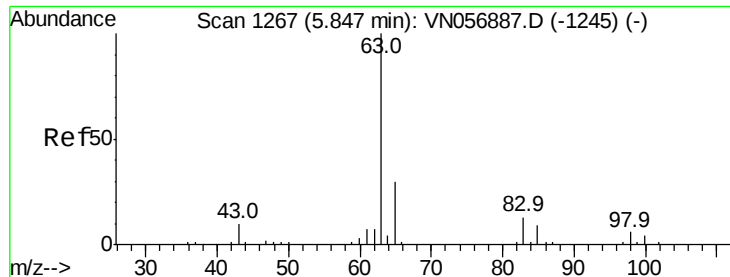
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





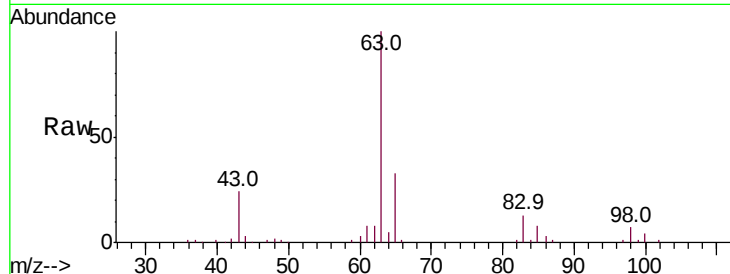
#21
 1,1-Dichloroethane
 Concen: 18.962 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

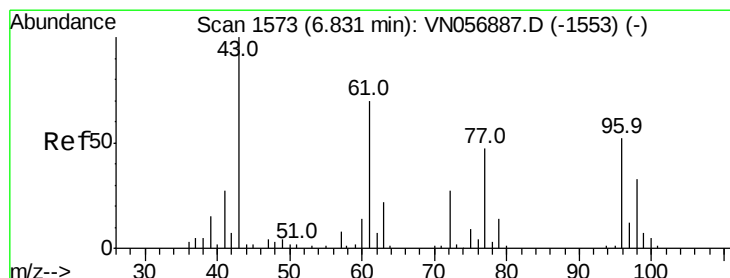
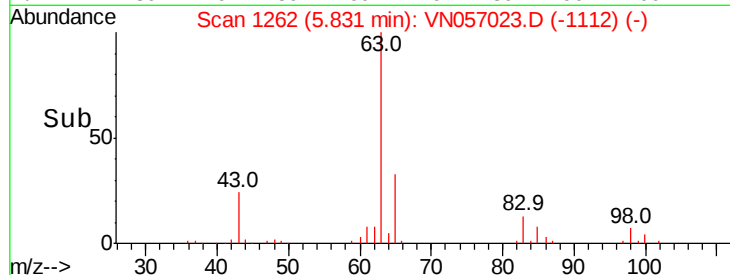
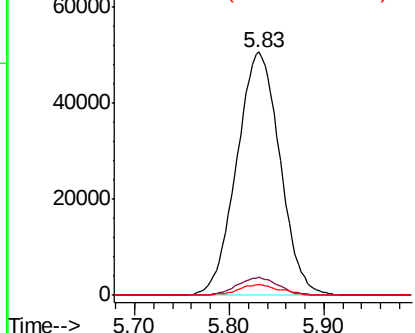
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.5	3.1	9.3	
100	4.3	1.8	5.5	

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

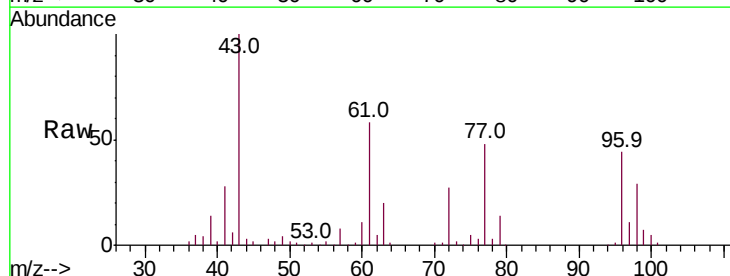


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

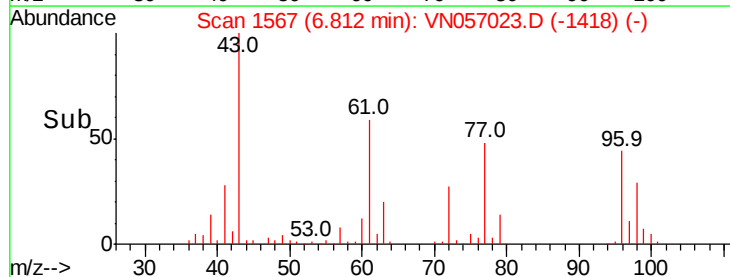
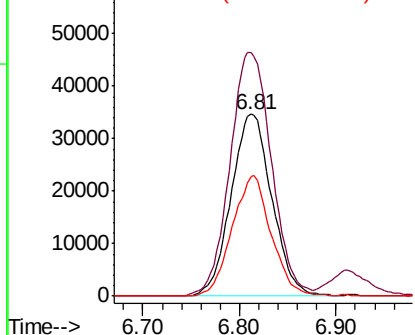


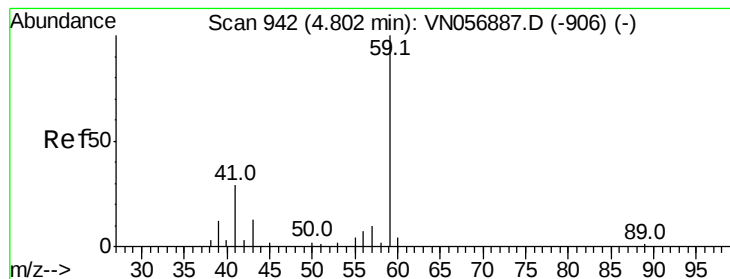
#22
 cis-1,2-Dichloroethene
 Concen: 19.301 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.4	111.6	167.4	
98	63.2	51.0	76.4	



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 91.304 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.03 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 59 Resp: 61795

Ion Ratio Lower Upper

59 100

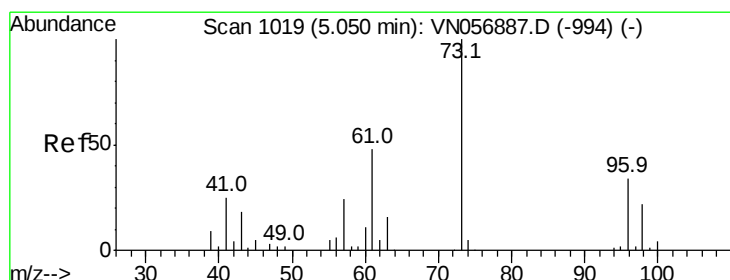
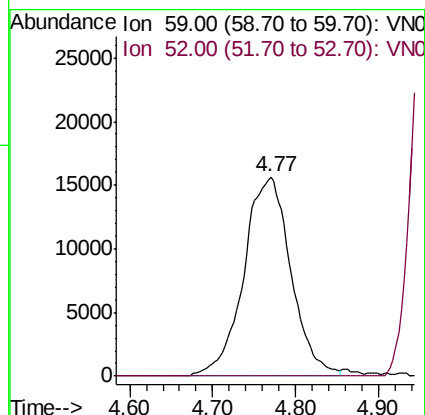
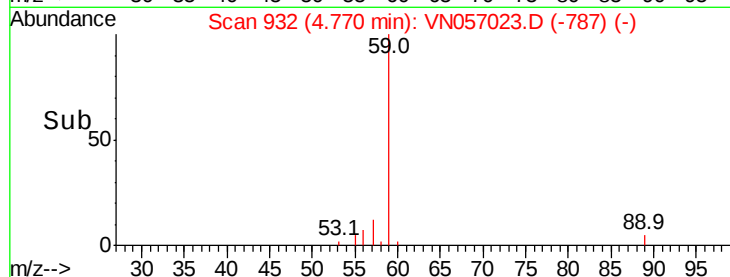
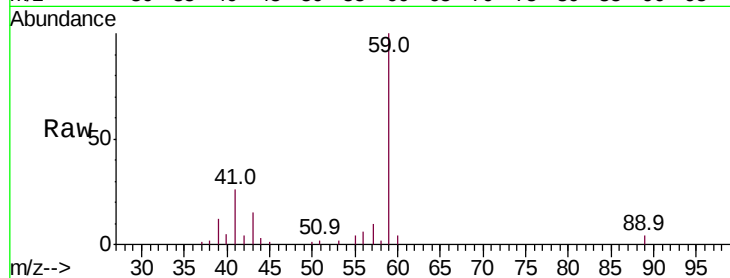
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:50 AM



#24

Methyl tert-Butyl Ether

Concen: 18.483 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.03 min

Lab File: VN057023.D

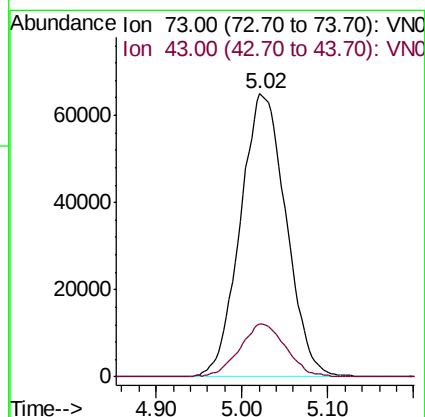
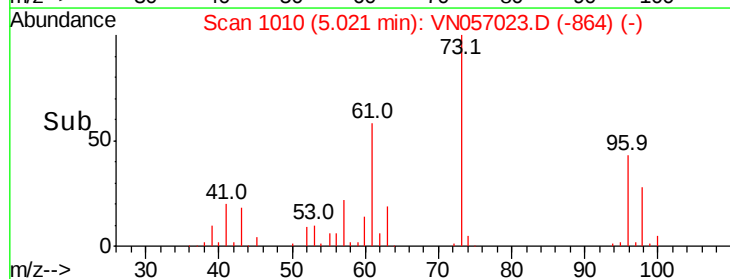
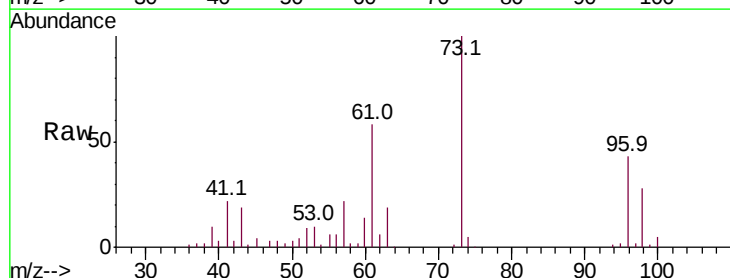
Acq: 1 Aug 2019 9:03

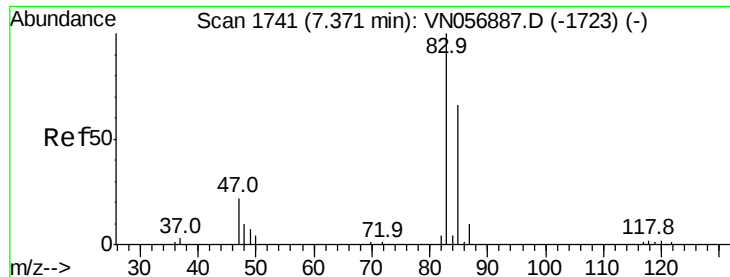
Tgt Ion: 73 Resp: 240111

Ion Ratio Lower Upper

73 100

43 18.9 15.4 23.0





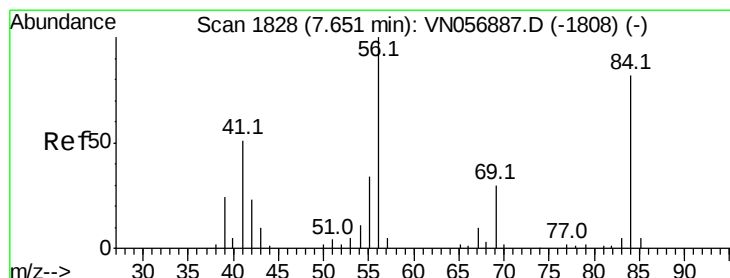
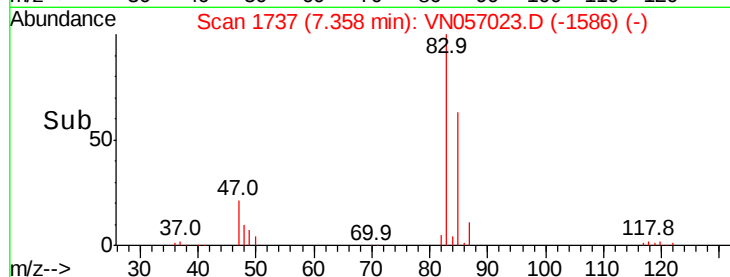
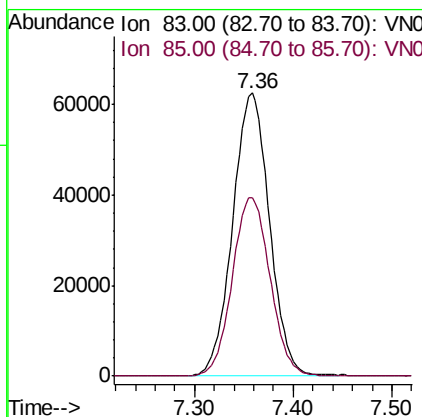
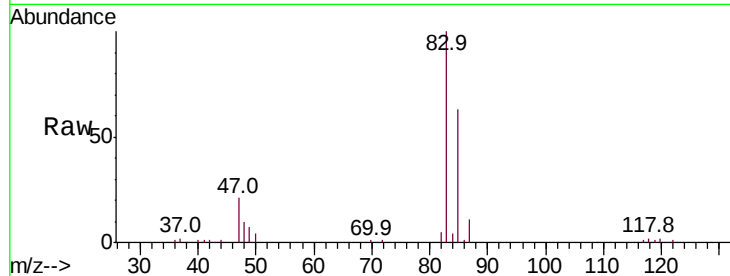
#25
Chloroform
Concen: 19.599 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 162216
Ion Ratio Lower Upper
83 100
85 62.8 53.1 79.7

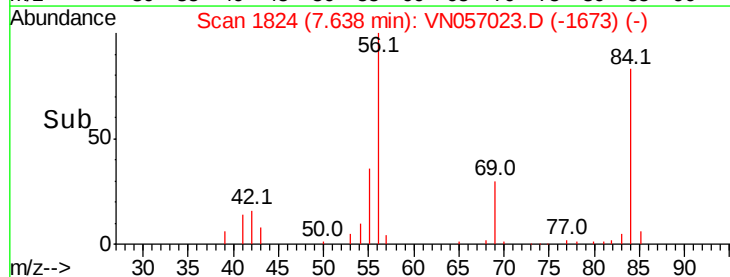
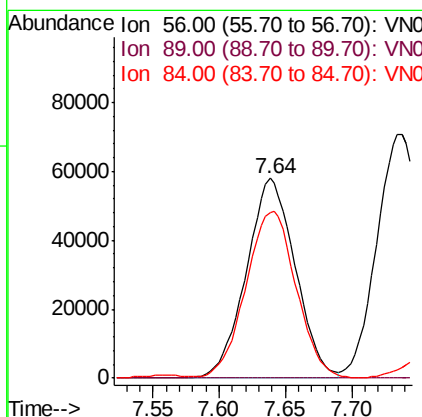
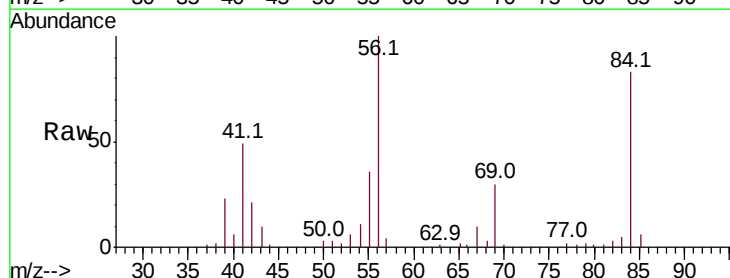
Manual Integrations
APPROVED

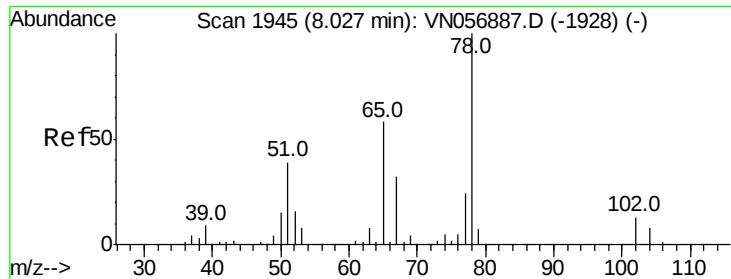
MMDadoda
8/2/2019 10:44:50 AM



#26
Cyclohexane
Concen: 19.123 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 56 Resp: 149039
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.1 67.8 101.6





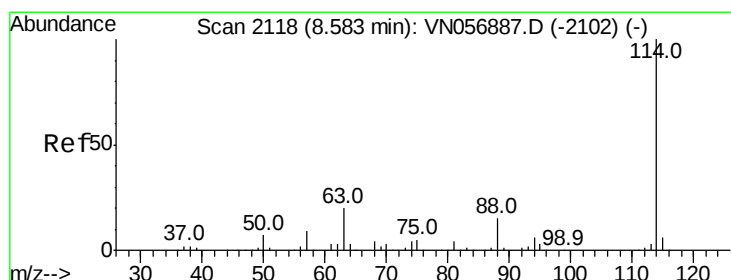
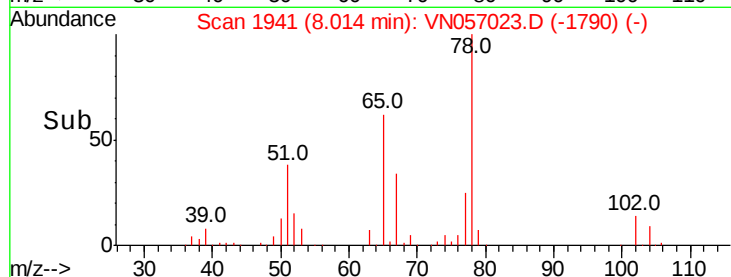
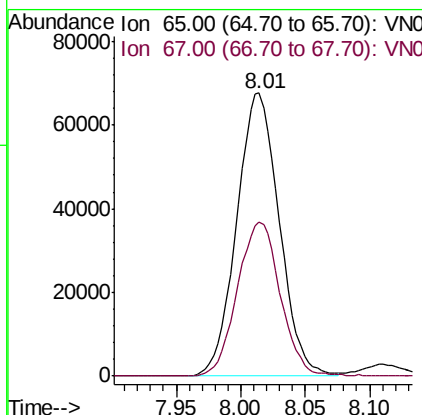
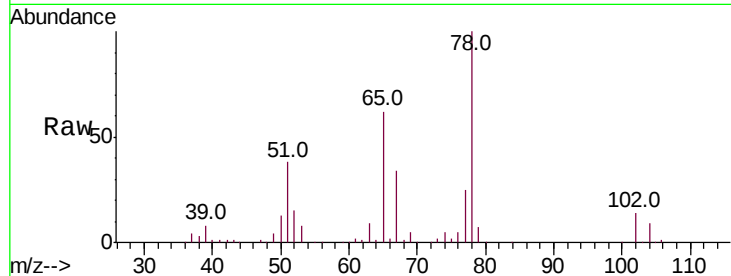
#27
 1,2-Dichloroethane-d4
 Concen: 29.511 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 155446
 Ion Ratio Lower Upper
 65 100
 67 54.8 44.6 66.8

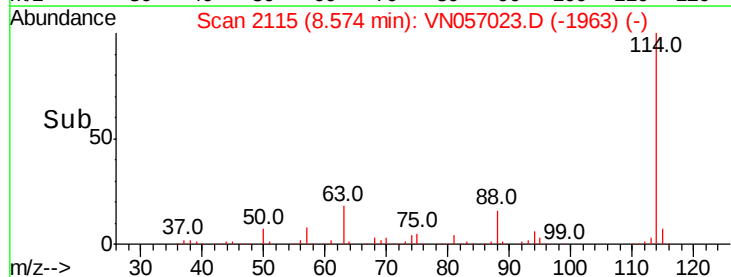
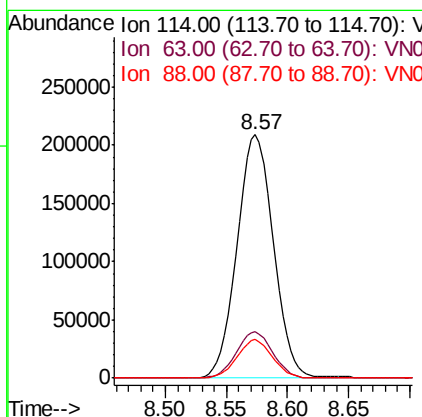
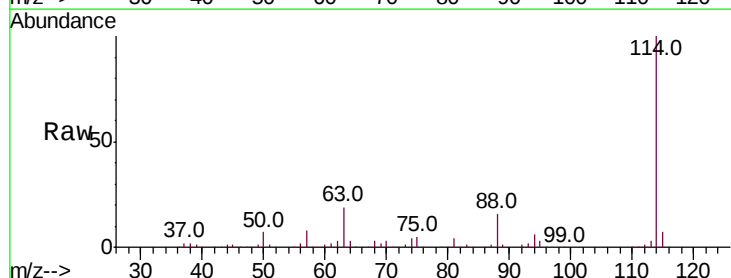
Manual Integrations
 APPROVED

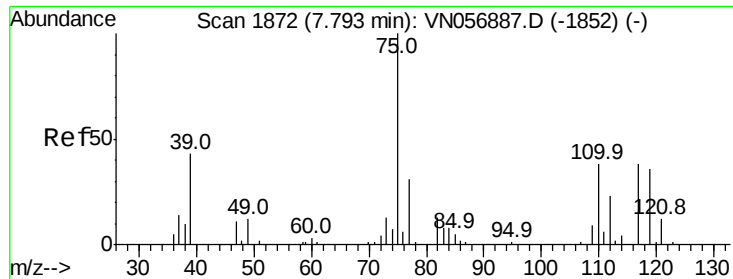
MMDadoda
 8/2/2019 10:44:50 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 114 Resp: 431389
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.8 23.6
 88 15.3 12.5 18.7





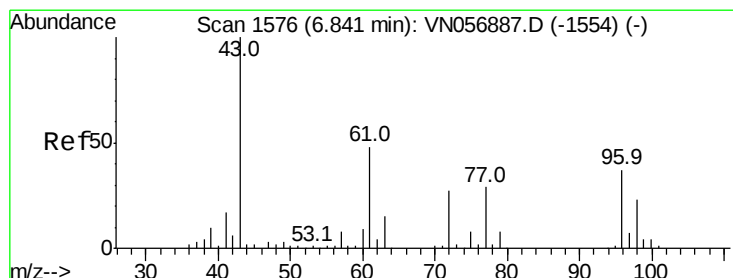
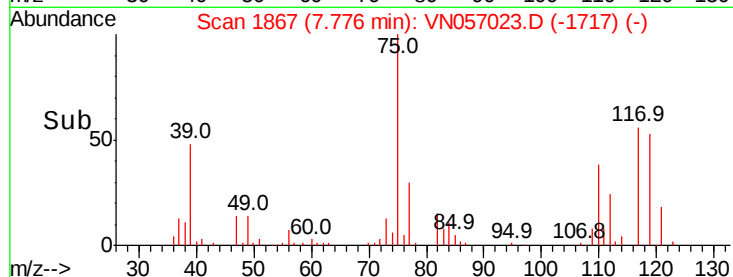
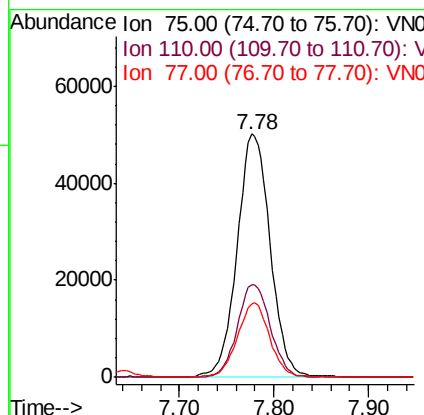
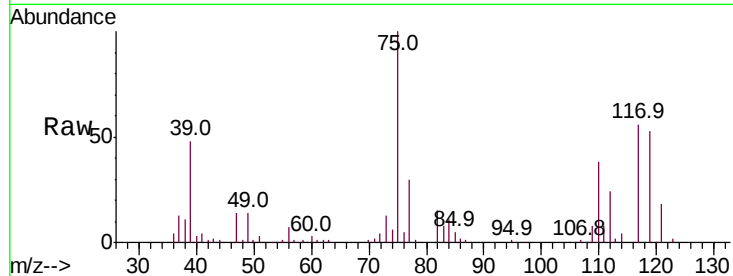
#29
 1,1-Dichloropropene
 Concen: 19.938 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	38.1	0.0	75.8
77	29.9	0.0	64.0

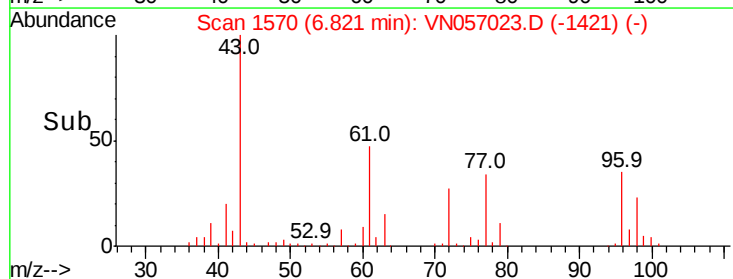
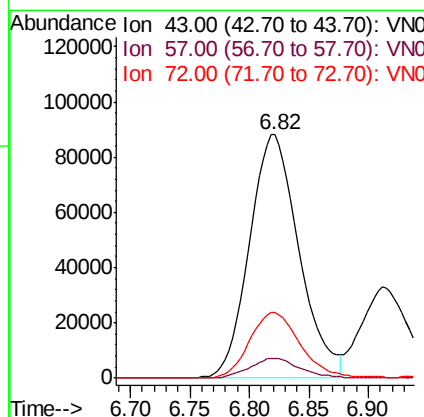
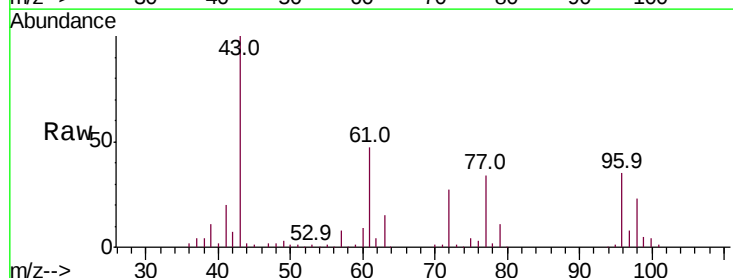
Manual Integrations
 APPROVED

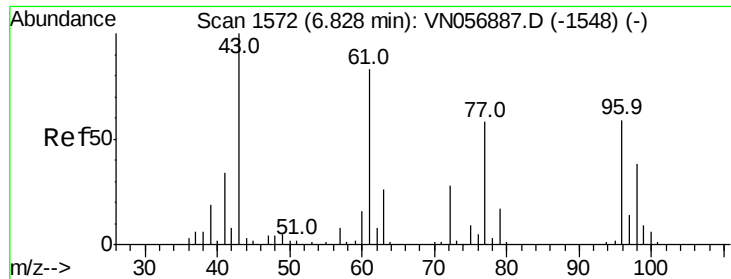
MMDadoda
 8/2/2019 10:44:50 AM



#30
 2-Butanone
 Concen: 103.344 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.5	9.7
72	27.4	22.1	33.1





#31

2,2-Dichloropropane

Concen: 21.130 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 120041

Ion Ratio Lower Upper

77 100

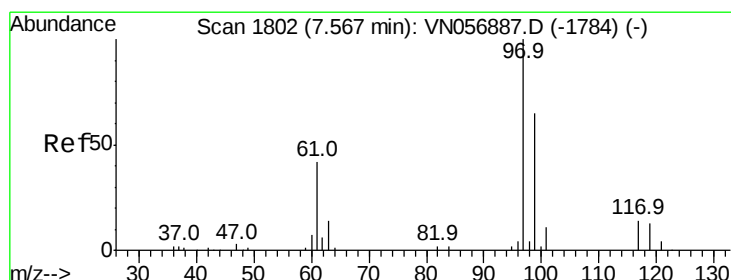
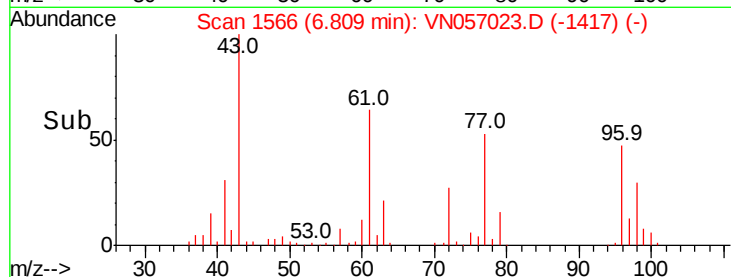
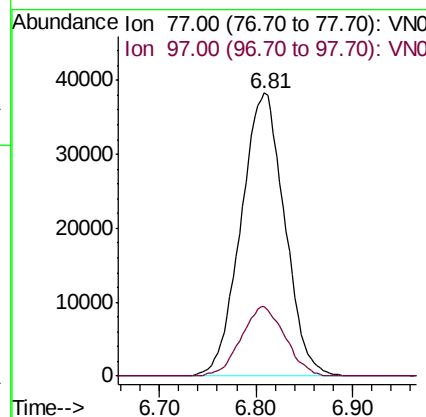
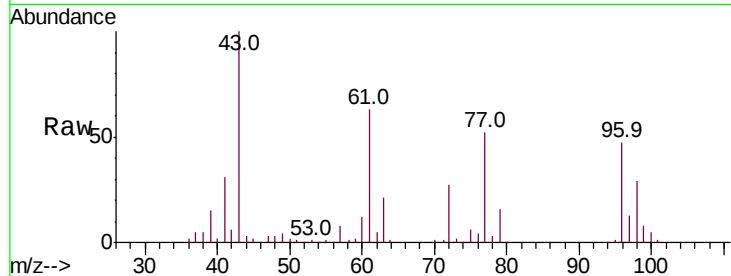
97 24.7 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:50 AM



#32

1,1,1-Trichloroethane

Concen: 20.271 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

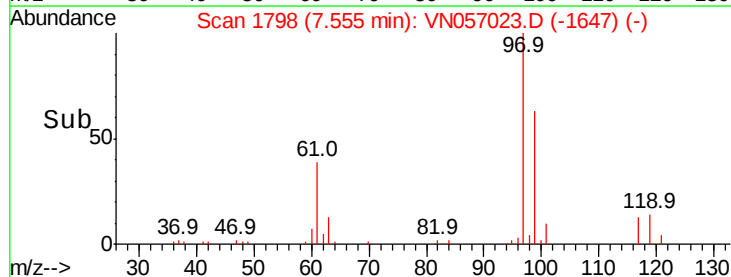
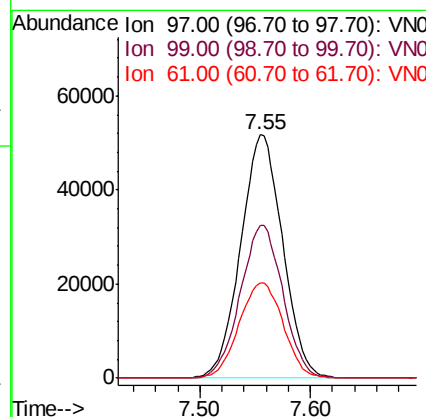
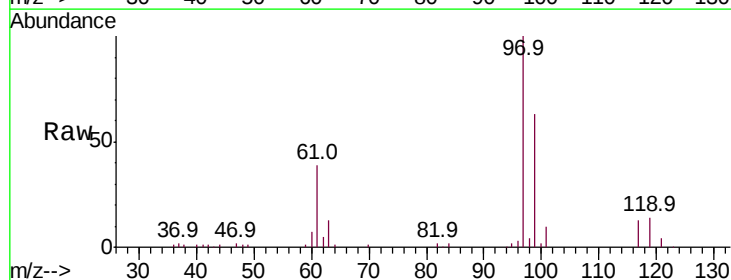
Tgt Ion: 97 Resp: 136350

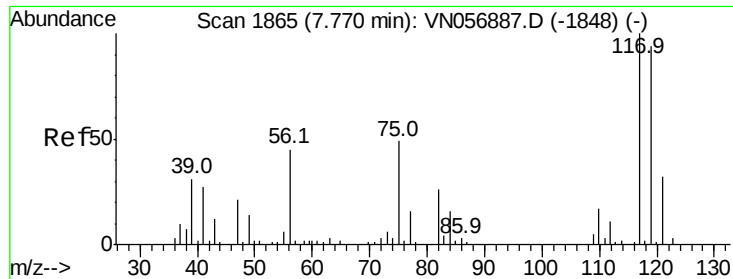
Ion Ratio Lower Upper

97 100

99 63.6 52.3 78.5

61 41.0 34.4 51.6





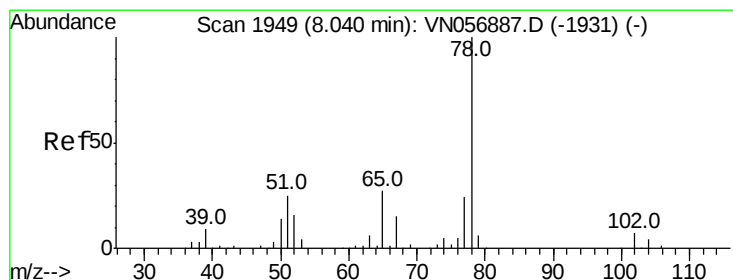
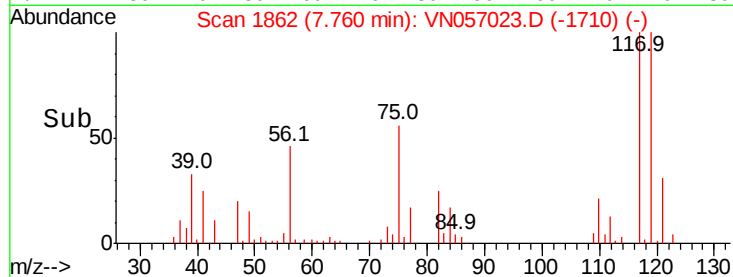
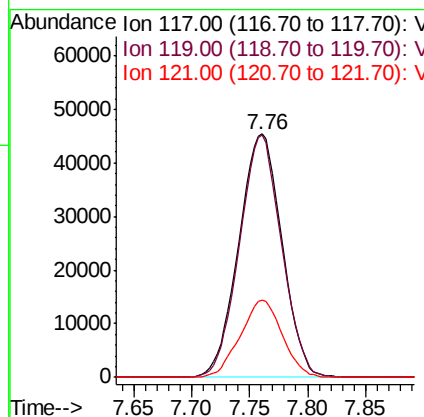
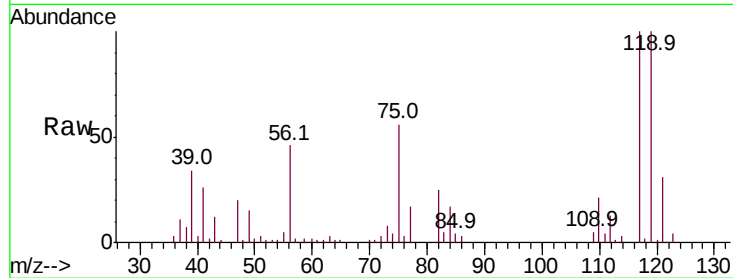
#33
Carbon Tetrachloride
Concen: 20.014 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.6	75.1	112.7
121	31.5	25.8	38.8

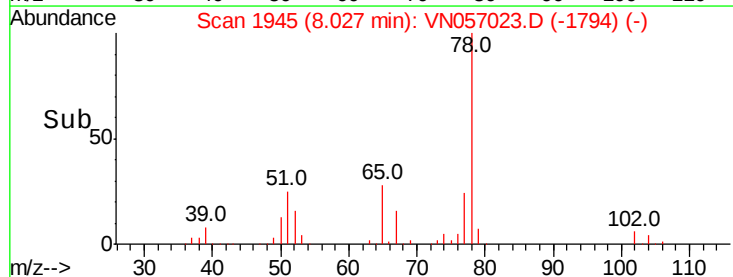
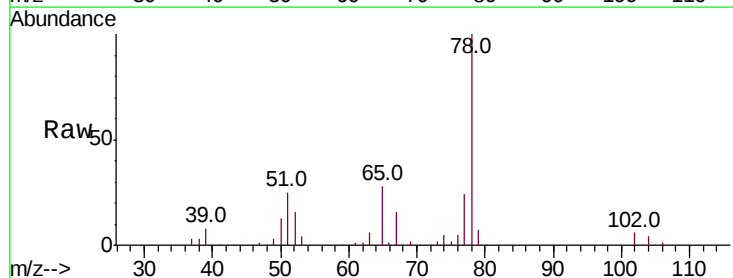
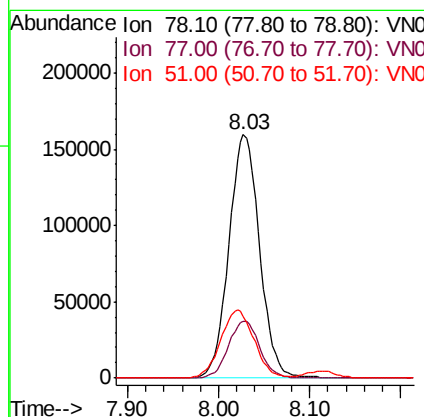
Manual Integrations
APPROVED

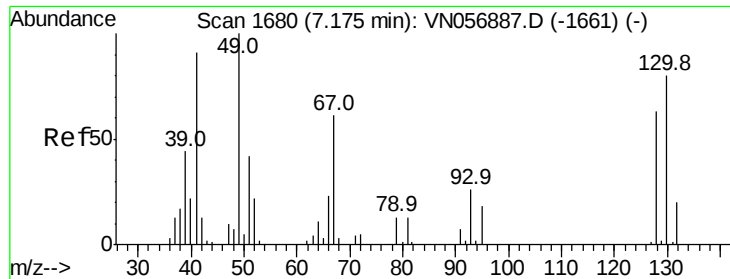
MMDadoda
8/2/2019 10:44:50 AM



#34
Benzene
Concen: 19.368 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.2
51	25.2	20.4	30.6





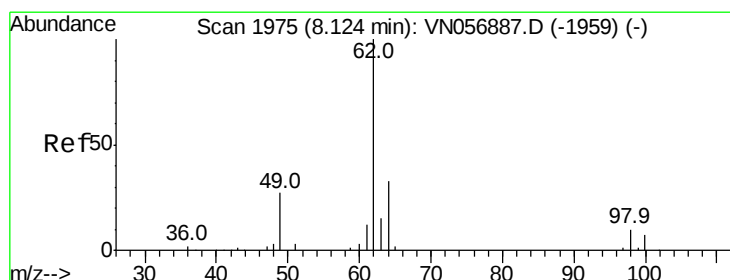
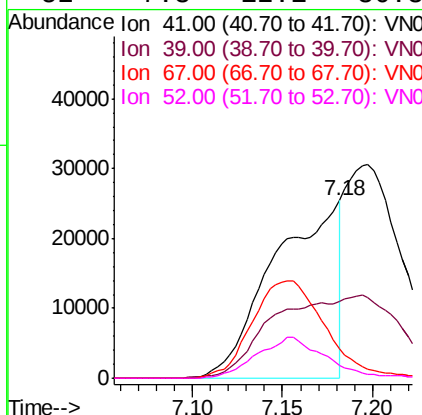
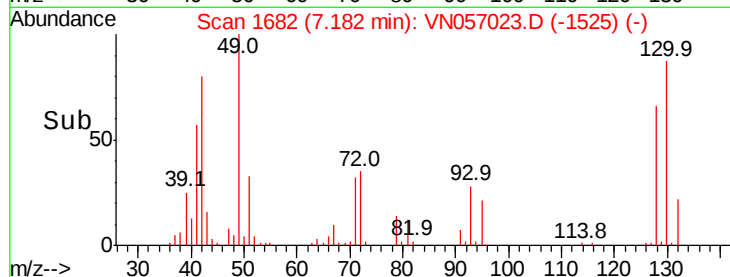
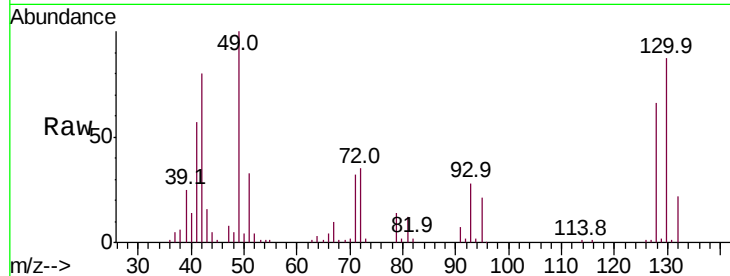
#35
Methacrylonitrile
Concen: 26.376 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.2	24.4	73.2
67	16.7	33.4	100.1#
52	7.3	12.1	36.3#

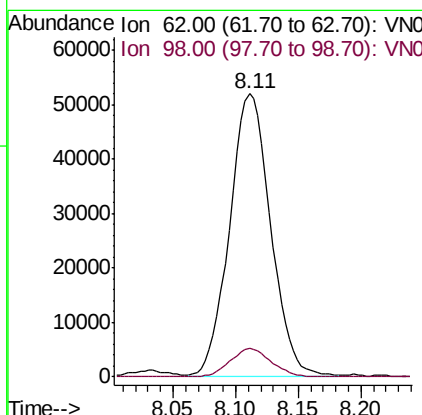
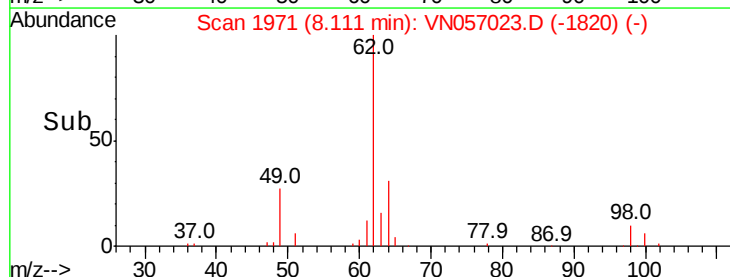
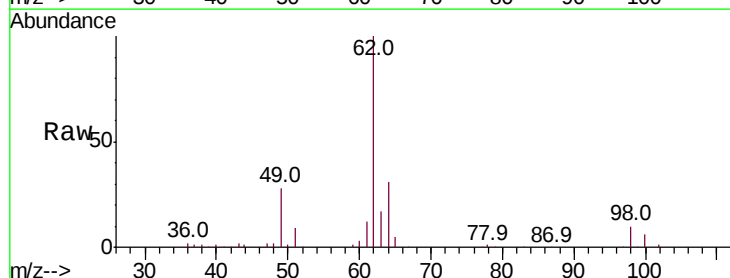
Manual Integrations
APPROVED

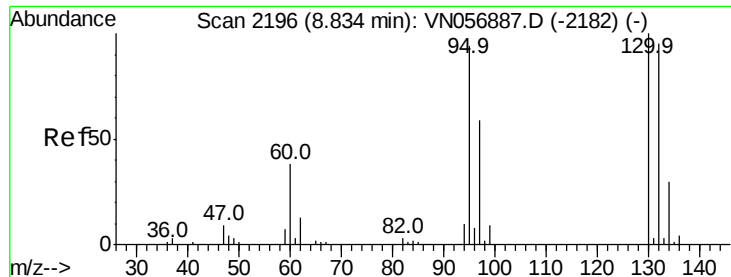
MMDadoda
8/2/2019 10:44:50 AM



#36
1,2-Dichloroethane
Concen: 19.737 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.7	11.5





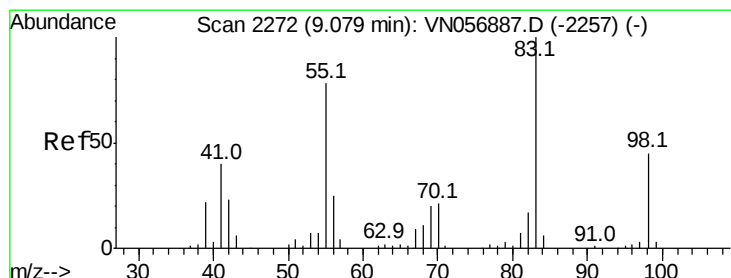
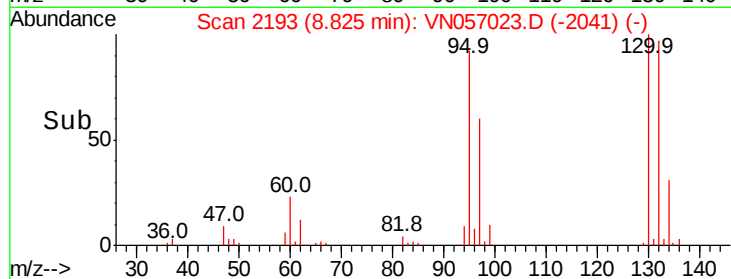
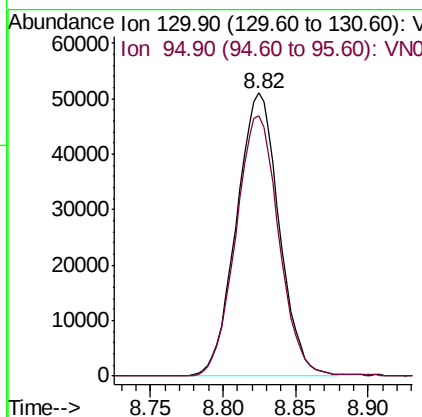
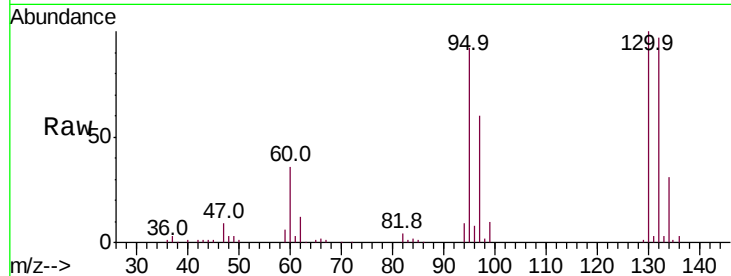
#37
 Trichloroethene
 Concen: 20.193 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 104427
 Ion Ratio Lower Upper
 130 100
 95 92.2 74.9 112.3

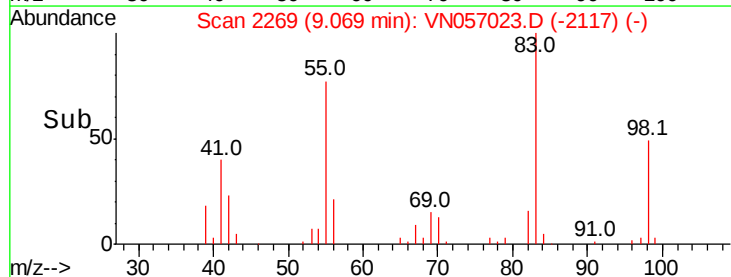
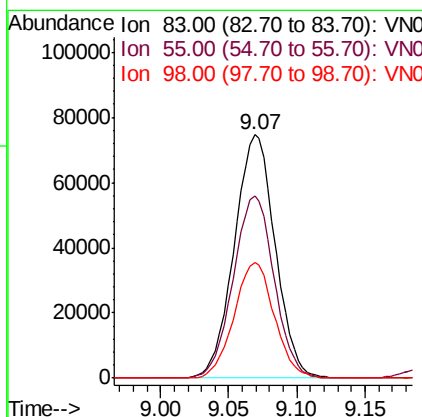
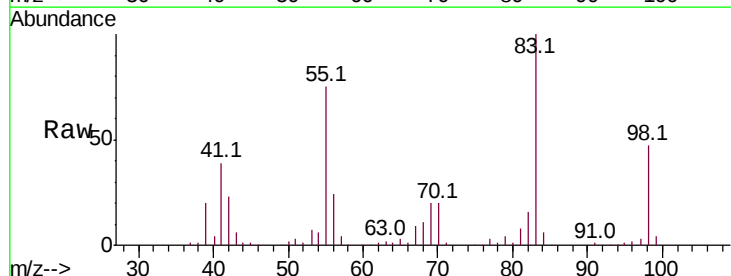
Manual Integrations
 APPROVED

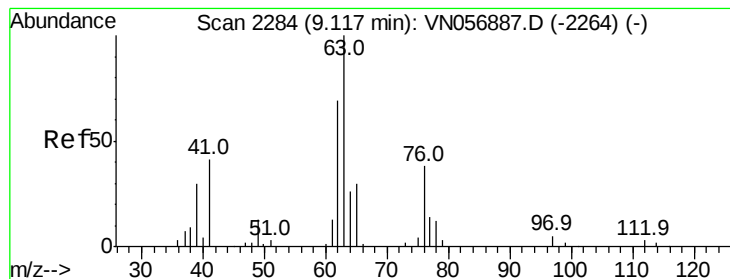
MMDadoda
 8/2/2019 10:44:50 AM



#38
 Methylcyclohexane
 Concen: 19.961 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion: 83 Resp: 155448
 Ion Ratio Lower Upper
 83 100
 55 75.0 38.4 115.1
 98 46.9 22.7 68.0





#39

1,2-Dichloropropane

Concen: 19.173 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 98716

Ion Ratio Lower Upper

63 100

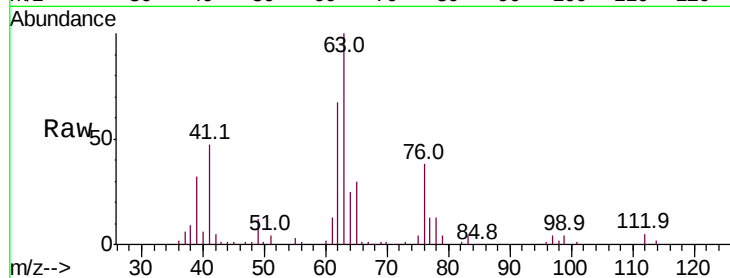
65 30.3 24.6 36.8

Manual Integrations

APPROVED

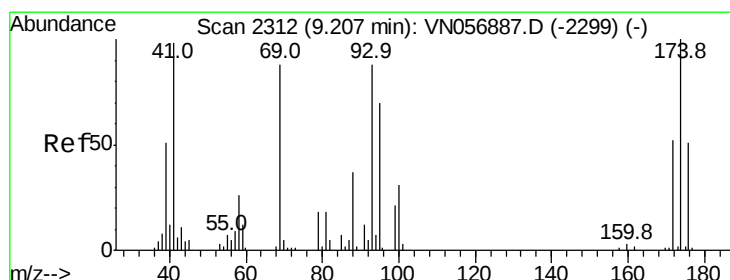
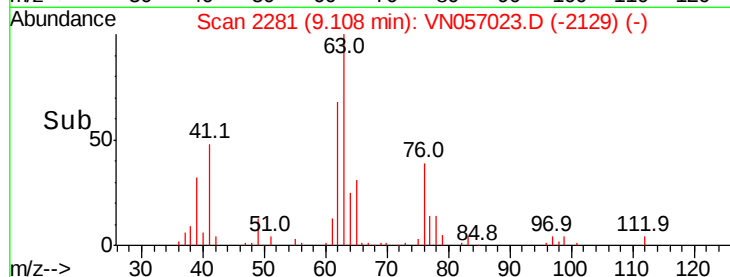
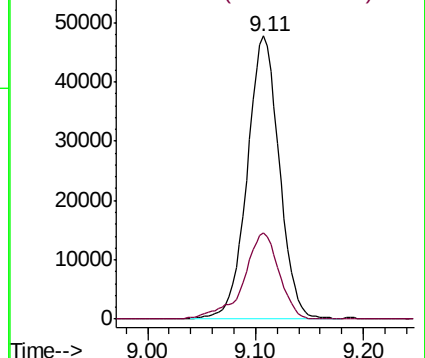
MMDadoda

8/2/2019 10:44:50 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.595 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

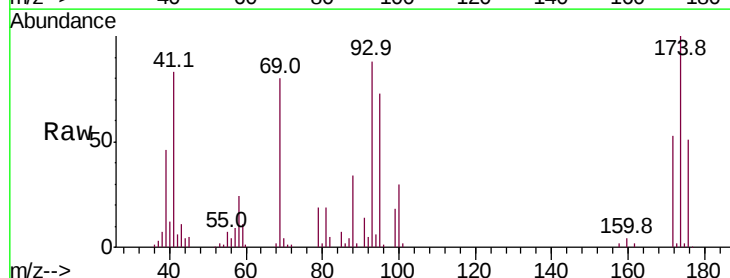
Tgt Ion: 93 Resp: 61891

Ion Ratio Lower Upper

93 100

95 82.8 0.0 165.8

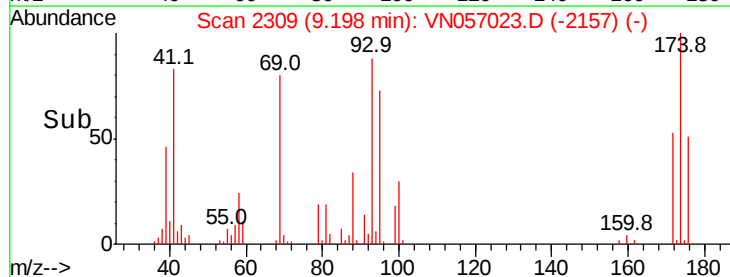
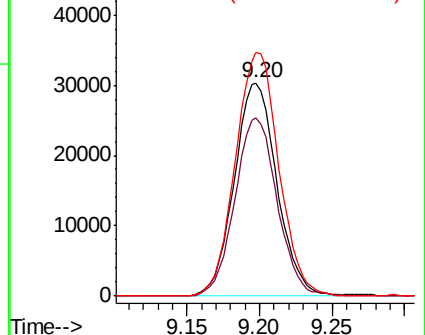
174 116.8 0.0 232.4

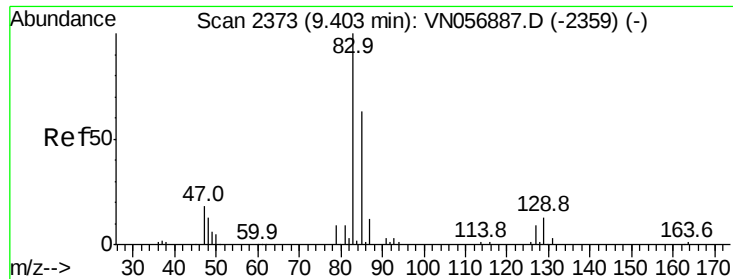


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





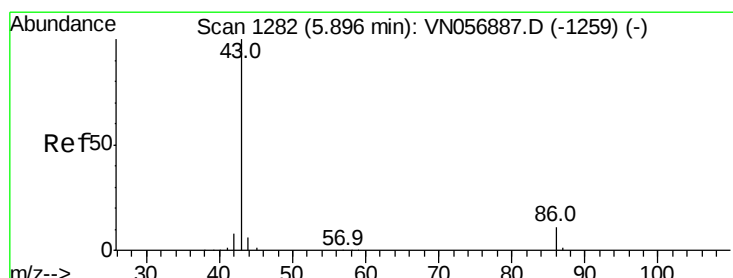
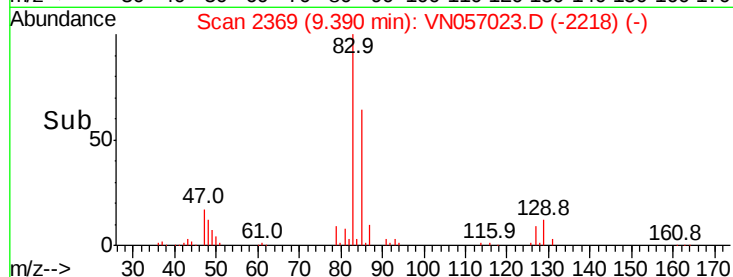
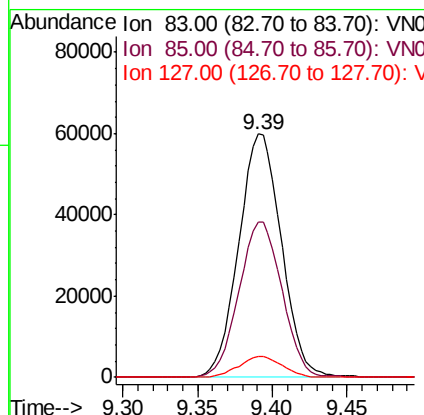
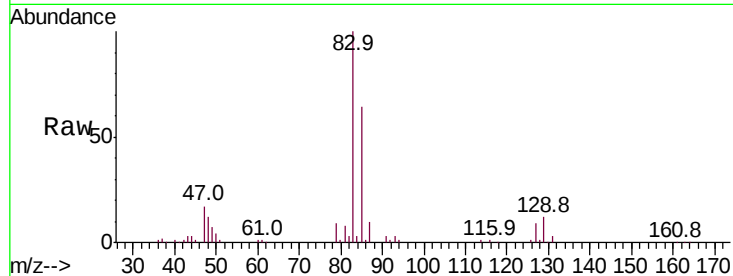
#41
Bromodichloromethane
Concen: 19.604 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	118986
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	50.6	75.8
127	8.8	7.2	10.8

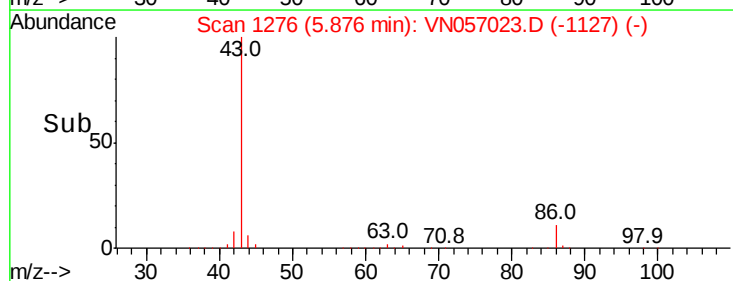
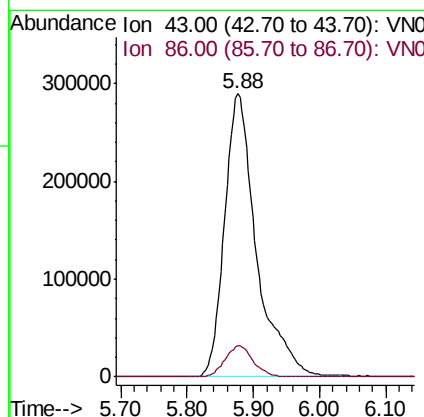
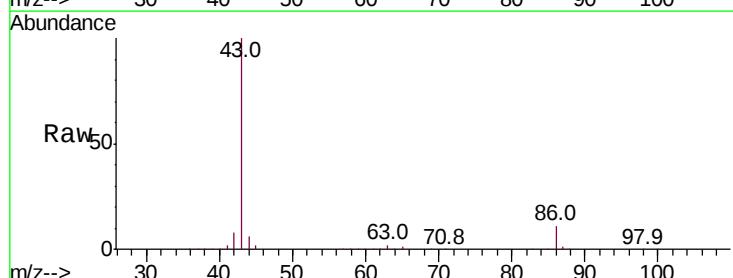
Manual Integrations
APPROVED

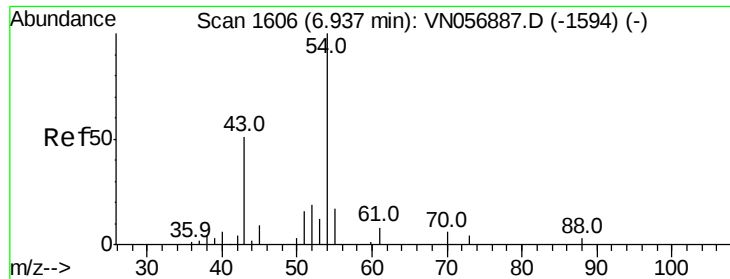
MMDadoda
8/2/2019 10:44:50 AM



#42
Vinyl Acetate
Concen: 88.696 ug/l
RT: 5.88 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	43	Resp	971494
Ion Ratio	100	Lower	Upper
43	100		
86	9.6	7.4	11.2





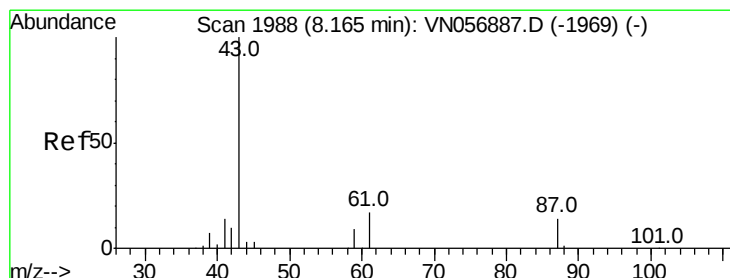
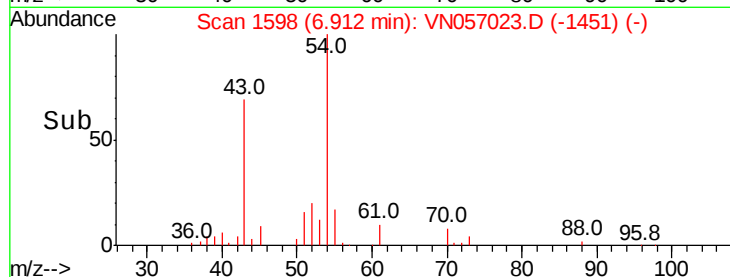
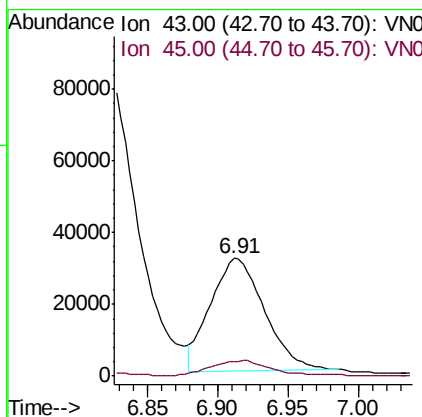
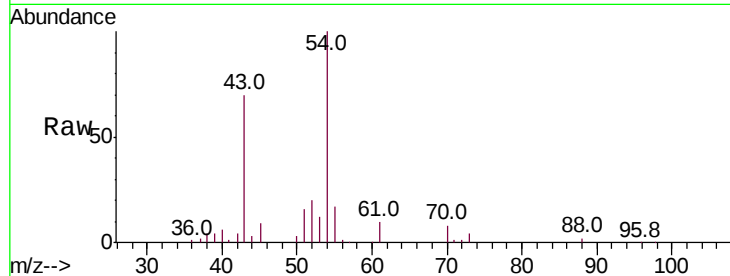
#43
Ethyl Acetate
Concen: 16.807 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.03 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 84741
Ion Ratio Lower Upper
43 100
45 14.2 10.2 15.2

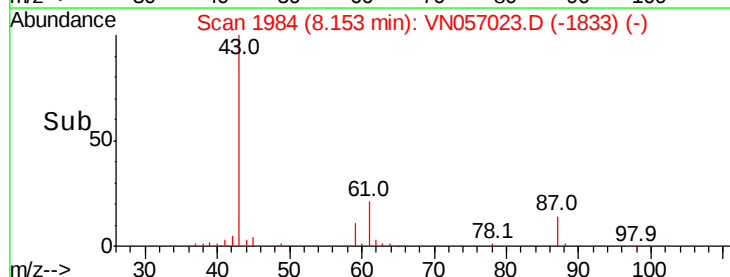
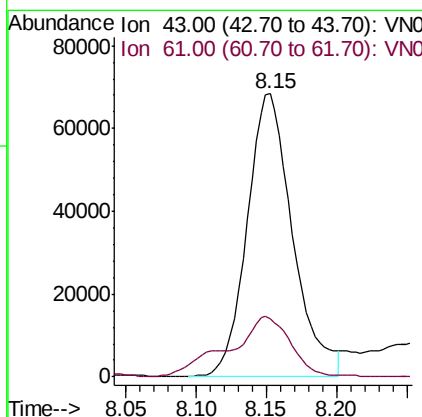
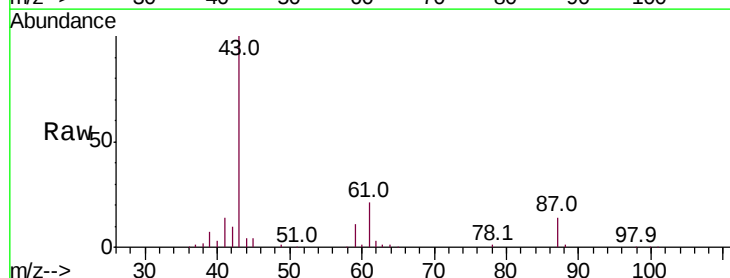
Manual Integrations
APPROVED

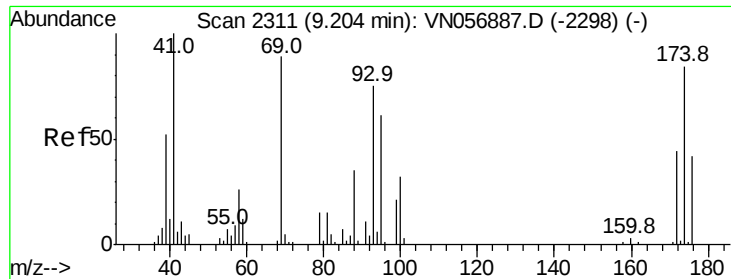
MMDadoda
8/2/2019 10:44:50 AM



#44
Isopropyl Acetate
Concen: 18.213 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion: 43 Resp: 153070
Ion Ratio Lower Upper
43 100
61 19.9 23.0 34.4#





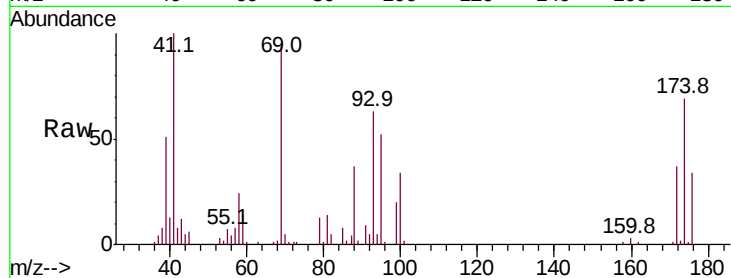
#45
1,4-Dioxane
Concen: 377.136 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.02 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	23.4	35.0
58	69.4	58.5	87.7

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM

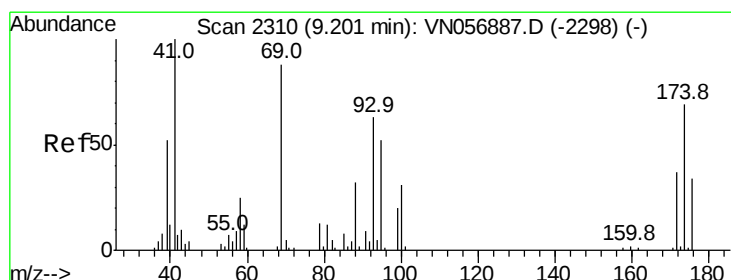
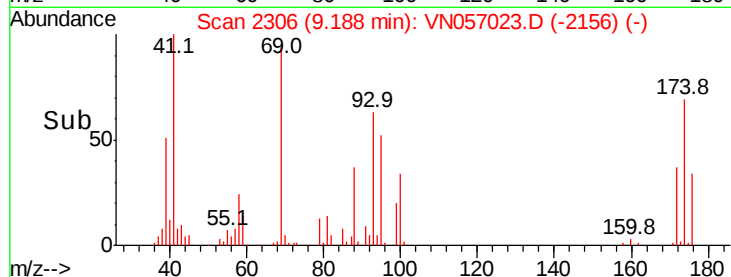
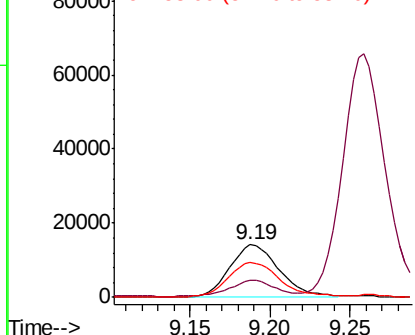


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 16.441 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

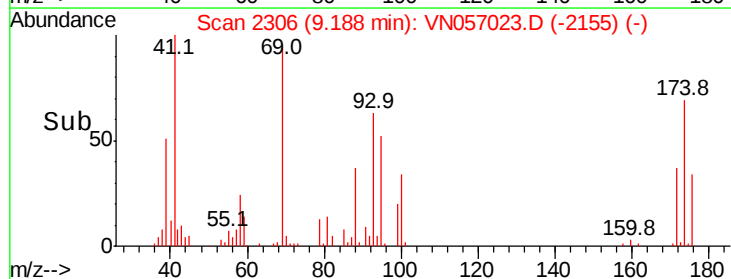
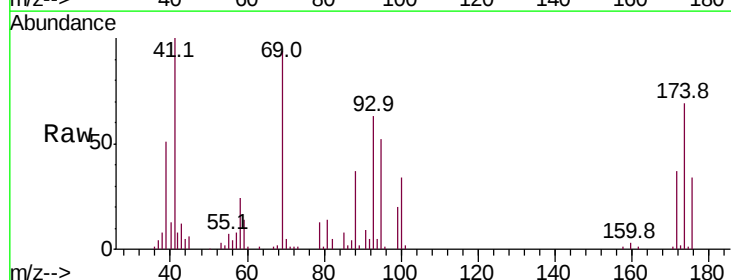
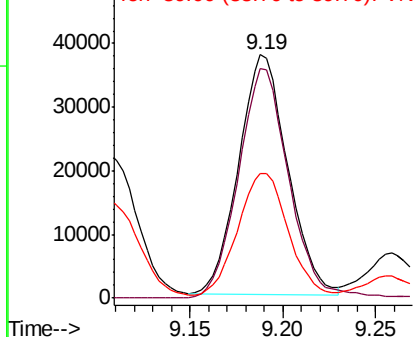
Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.8	44.0	132.0
39	50.4	25.8	77.4

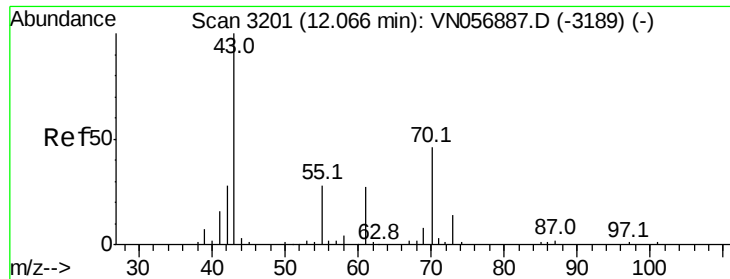
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 15.753 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 105988

Ion Ratio Lower Upper

43 100

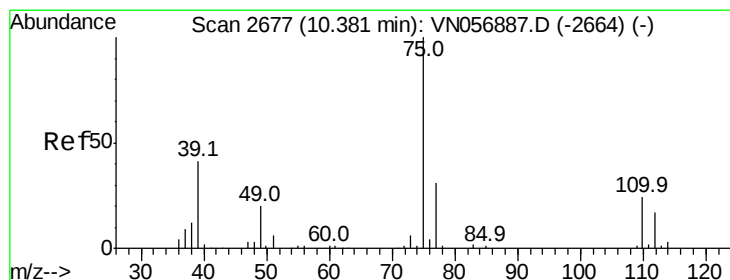
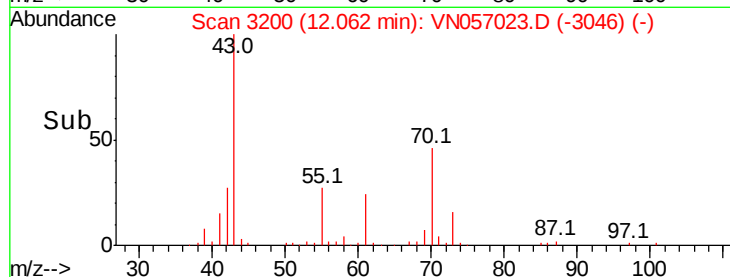
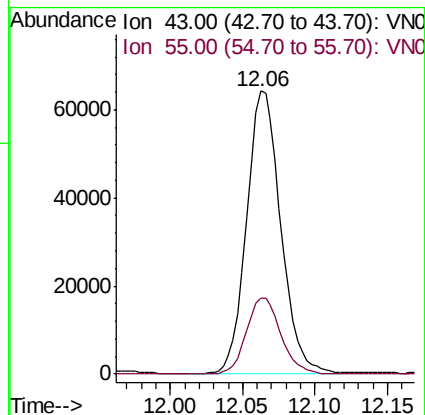
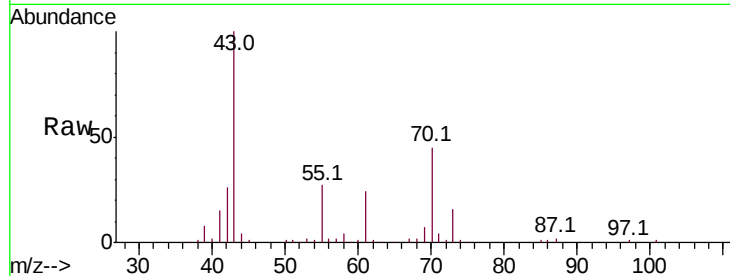
55 27.0 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:50 AM



#48

t-1,3-Dichloropropene

Concen: 18.576 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057023.D

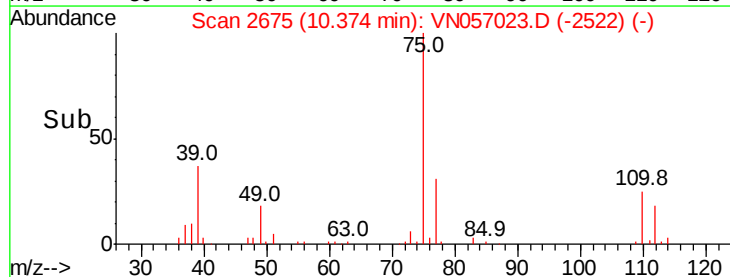
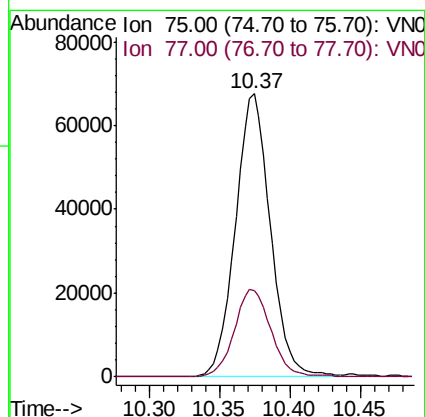
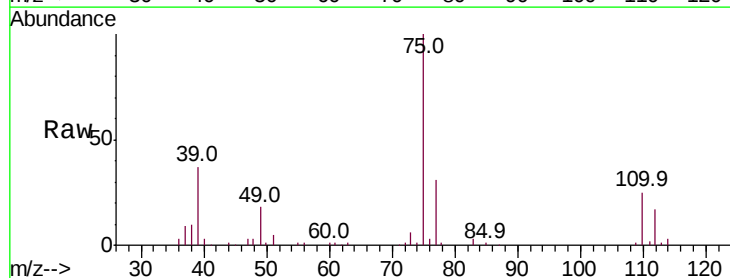
Acq: 1 Aug 2019 9:03

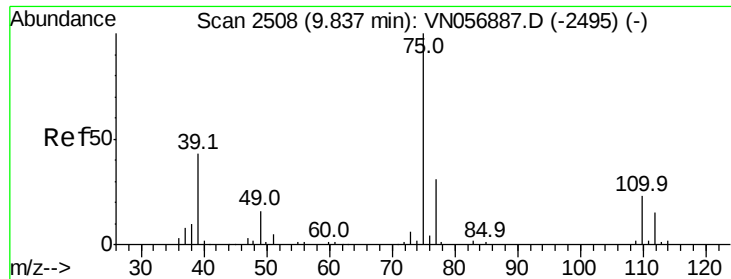
Tgt Ion: 75 Resp: 117321

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0





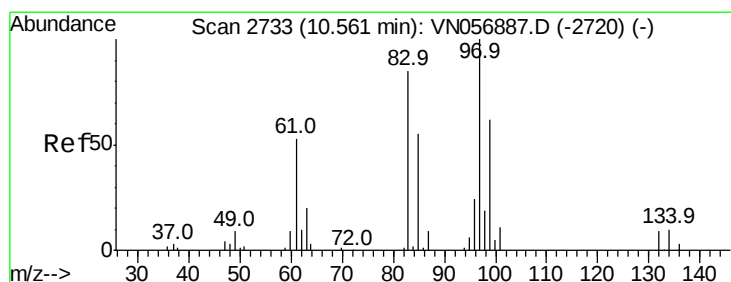
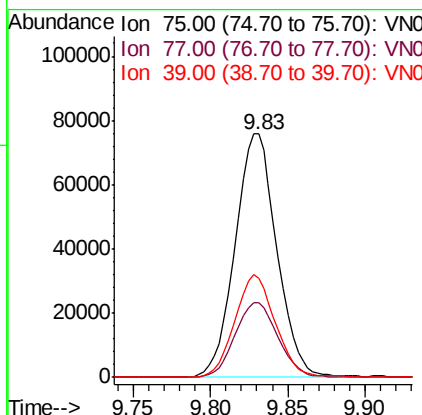
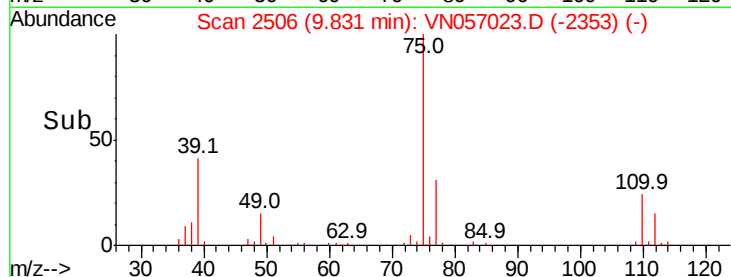
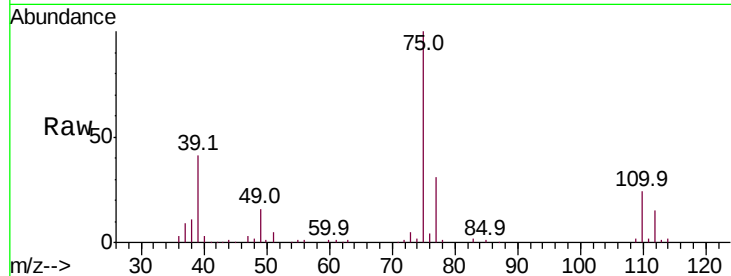
#49
 cis-1,3-Dichloropropene
 Concen: 19.241 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
77	30.6	24.4	36.6
39	40.8	34.2	51.4

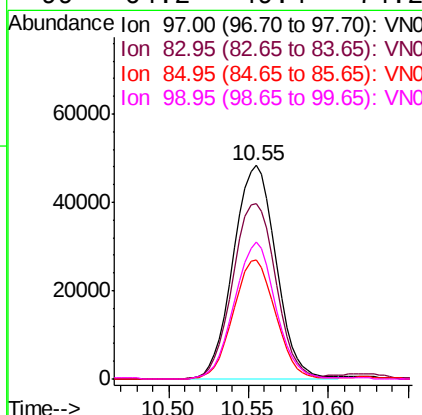
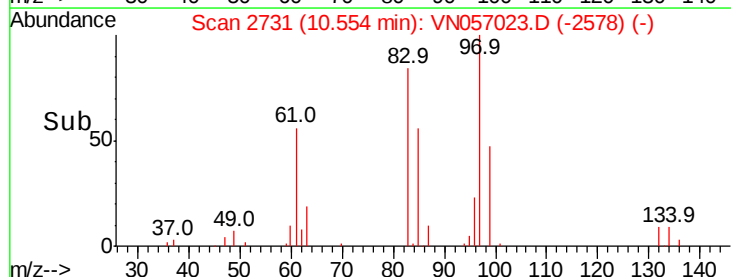
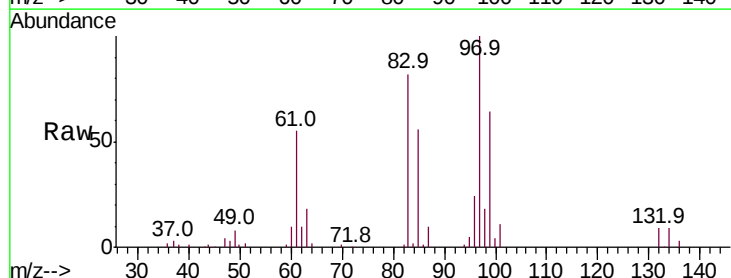
Manual Integrations
 APPROVED

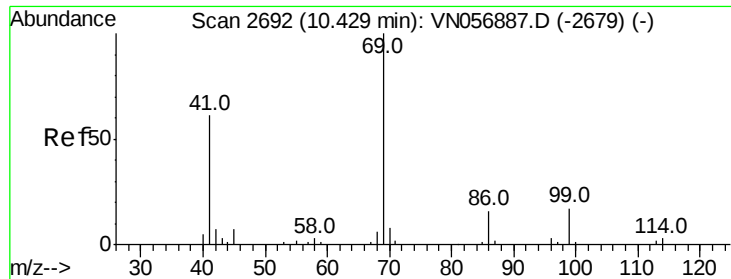
MMDadoda
 8/2/2019 10:44:50 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.487 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
83	81.9	68.4	102.6
85	55.6	44.3	66.5
99	64.2	49.4	74.2





#51

Ethyl methacrylate

Concen: 17.507 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

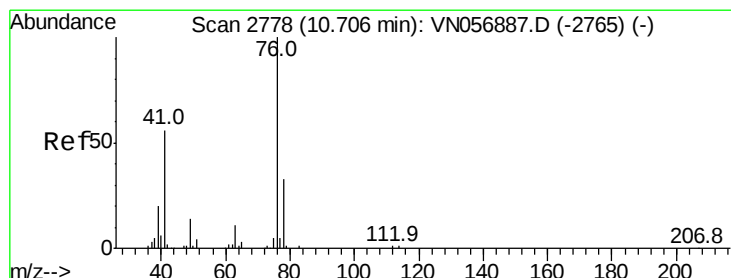
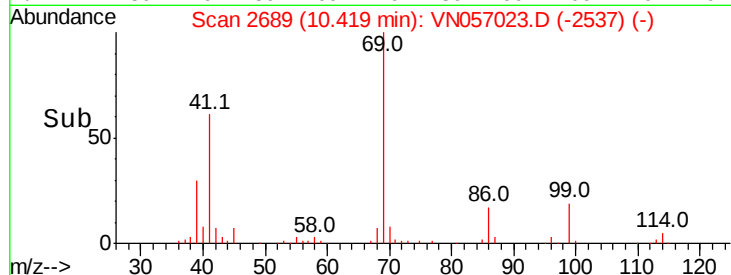
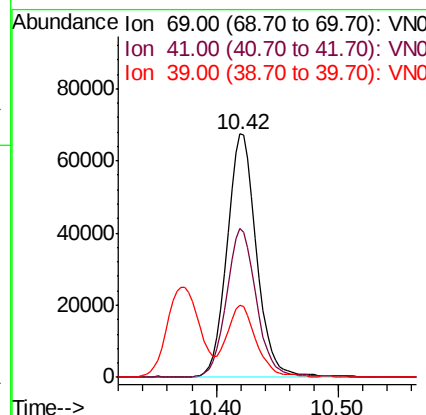
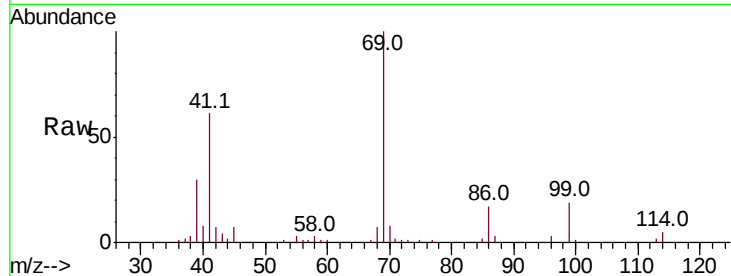
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	114837
Ion Ratio	Lower	Upper	
69	100		
41	60.7	30.4	91.3
39	29.4	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM



#52

1,3-Dichloropropane

Concen: 19.177 ug/l

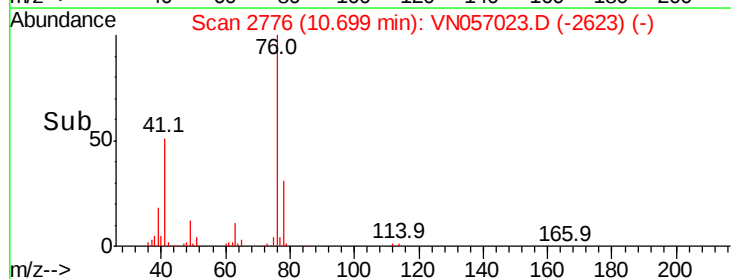
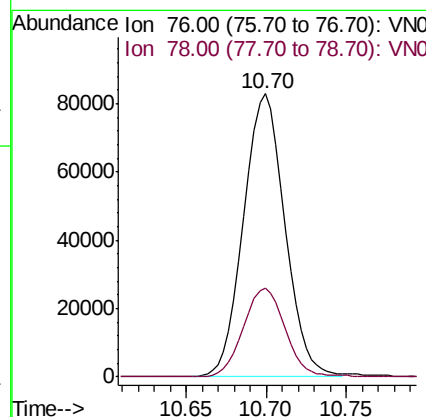
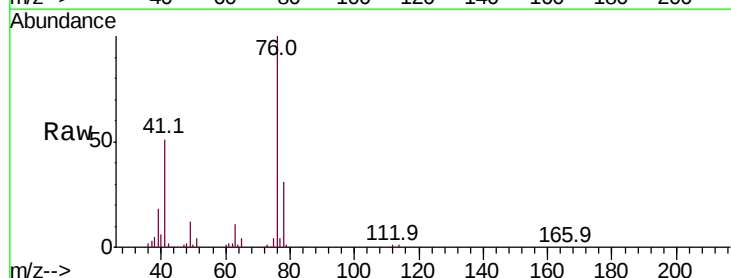
RT: 10.70 min Scan# 2776

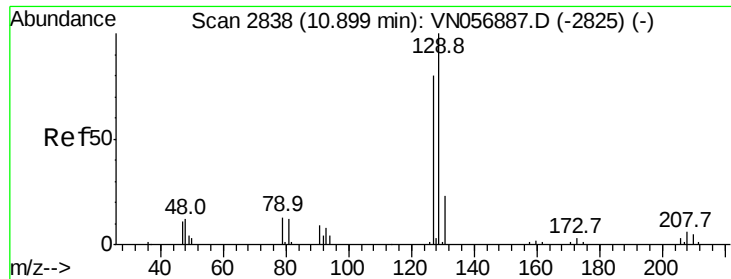
Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Tgt Ion:	76	Resp:	146772
Ion Ratio	Lower	Upper	
76	100		
78	31.7	0.0	64.2





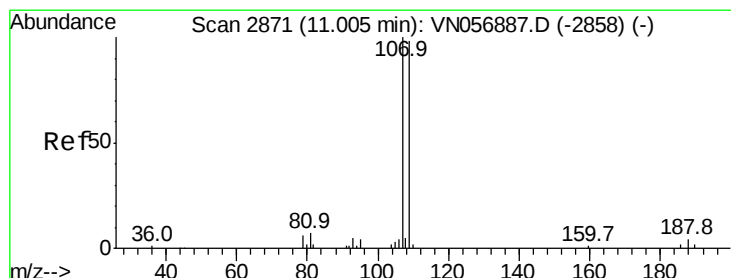
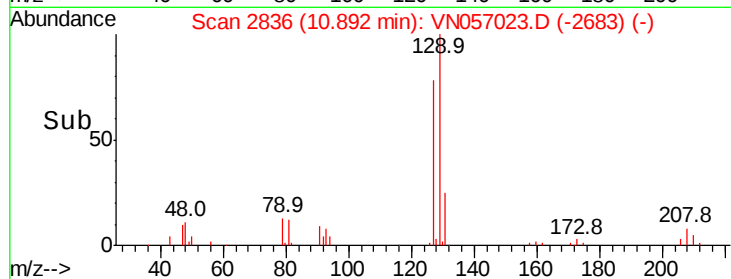
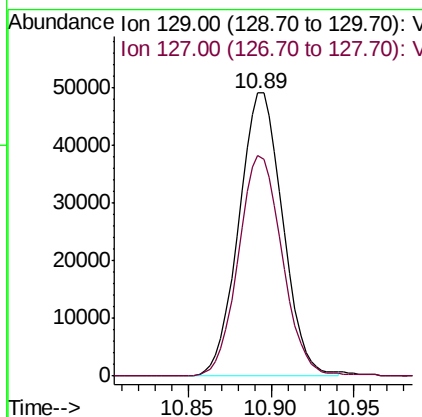
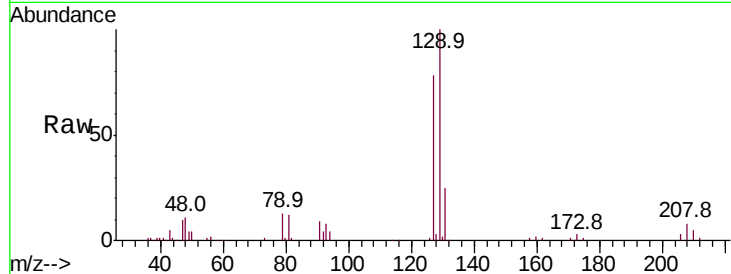
#53
Dibromochloromethane
Concen: 19.195 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.4

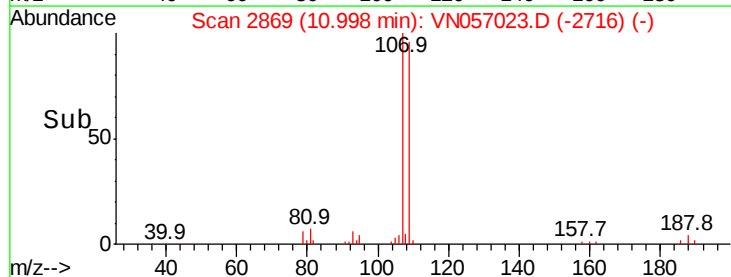
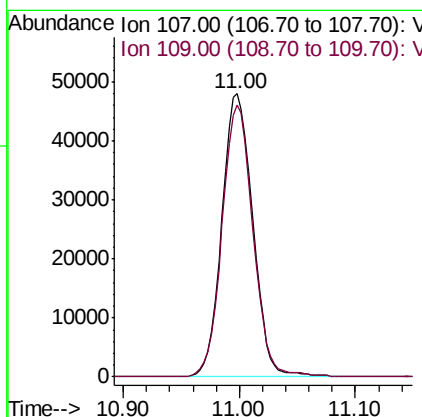
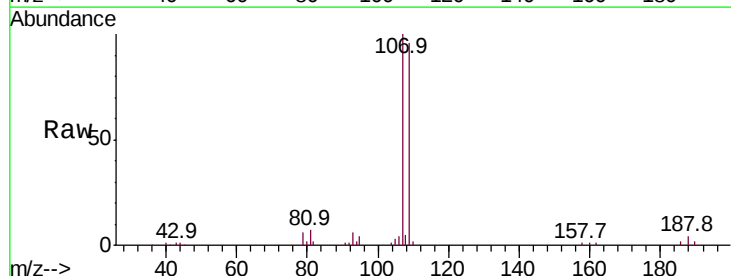
Manual Integrations
APPROVED

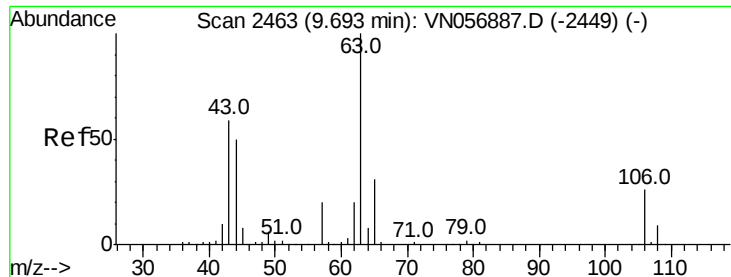
MMDadoda
8/2/2019 10:44:50 AM



#54
1,2-Dibromoethane
Concen: 19.152 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.2	114.2





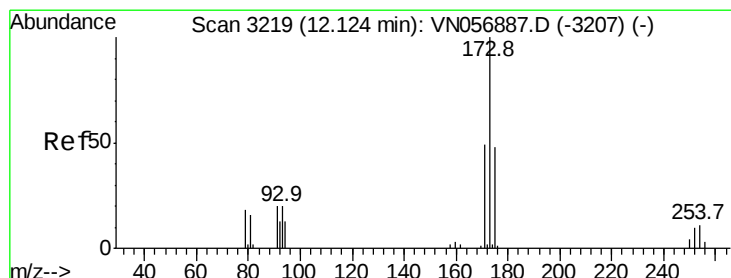
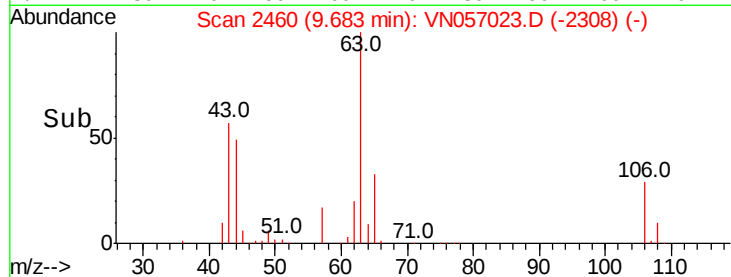
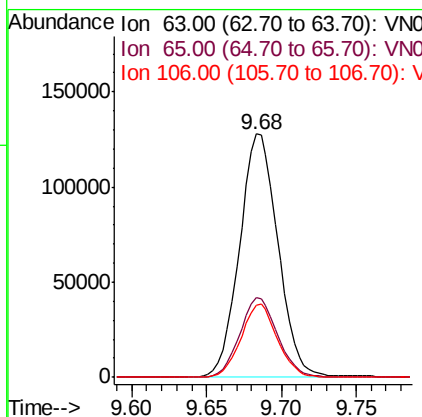
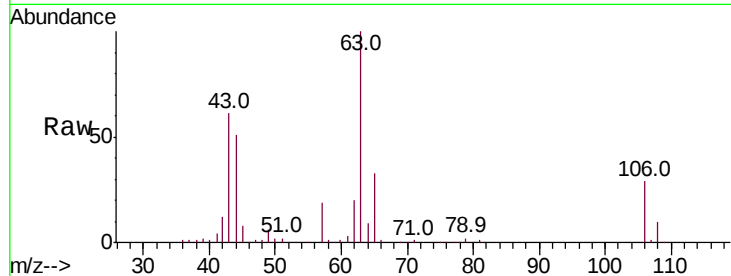
#55
2-Chloroethyl vinyl ether
Concen: 80.623 ug/l
RT: 9.68 min Scan# 2460
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.1	37.7
106	28.5	21.5	32.3

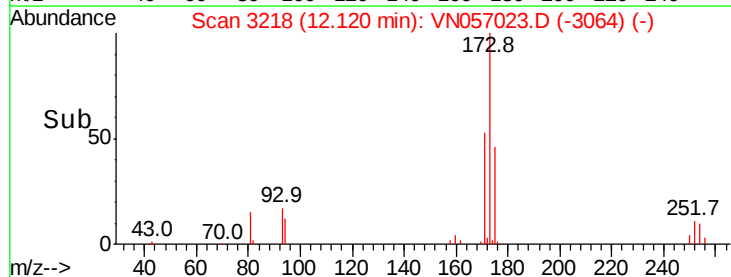
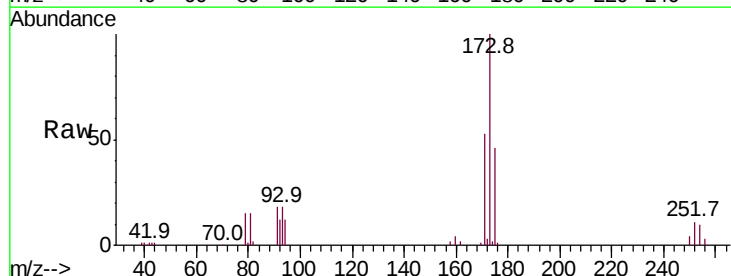
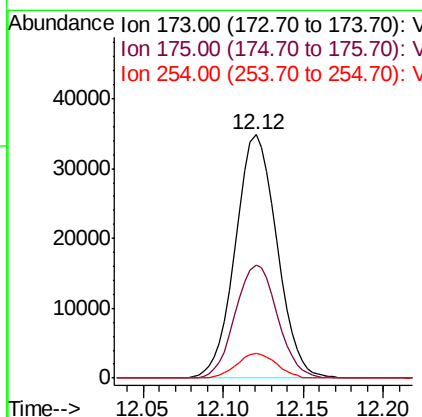
Manual Integrations
APPROVED

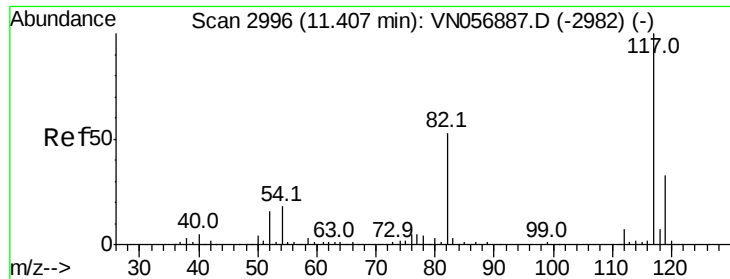
MMDadoda
8/2/2019 10:44:50 AM



#56
Bromoform
Concen: 18.956 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	38.8	58.2
254	9.7	8.1	12.1





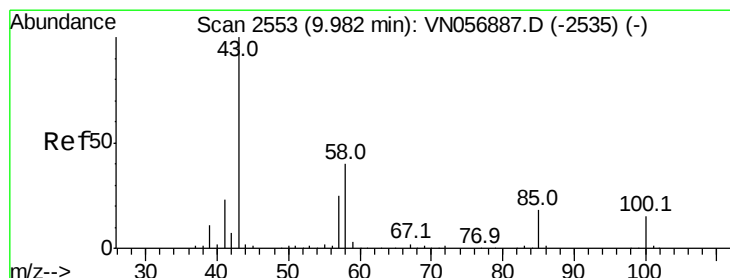
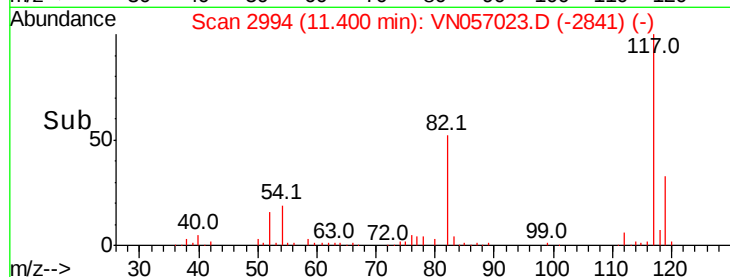
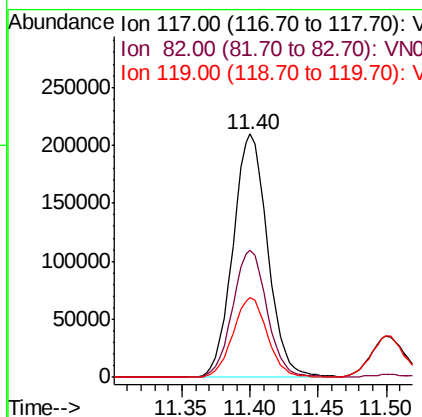
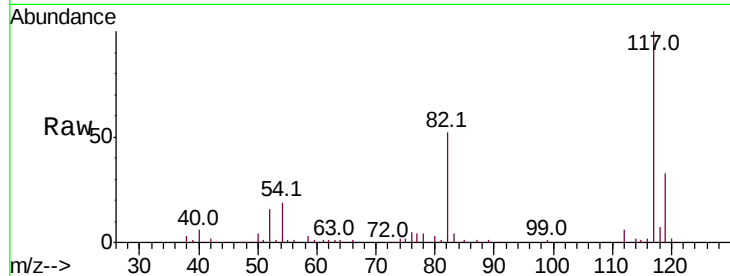
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369916		
82	52.0		43.0	64.4
119	32.6		26.2	39.2

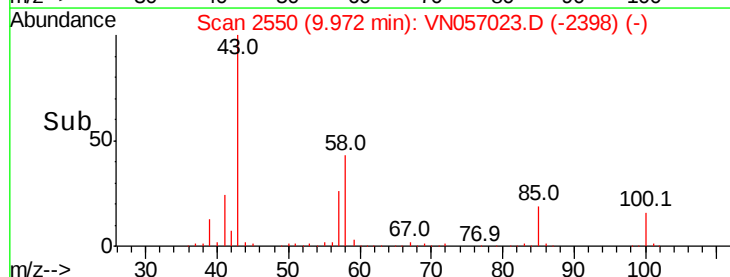
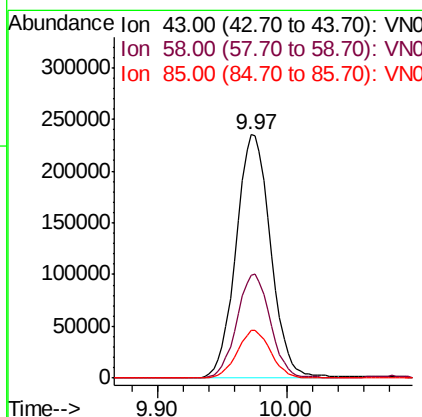
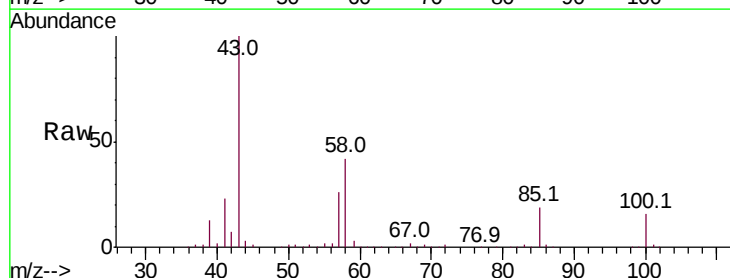
Manual Integrations
APPROVED

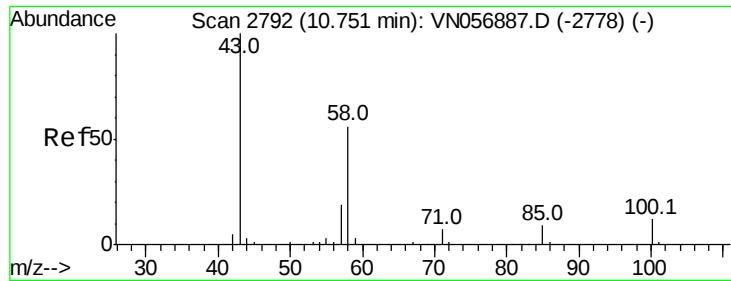
MMDadoda
8/2/2019 10:44:50 AM



#58
4-Methyl-2-Pentanone
Concen: 88.246 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	438064		
58	41.7		31.7	47.5
85	18.9		14.5	21.7





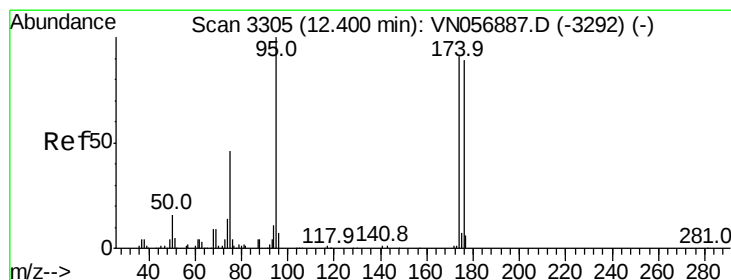
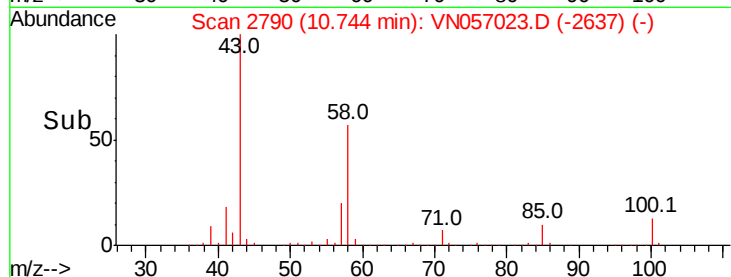
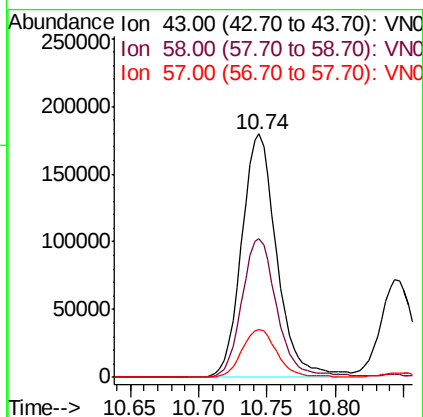
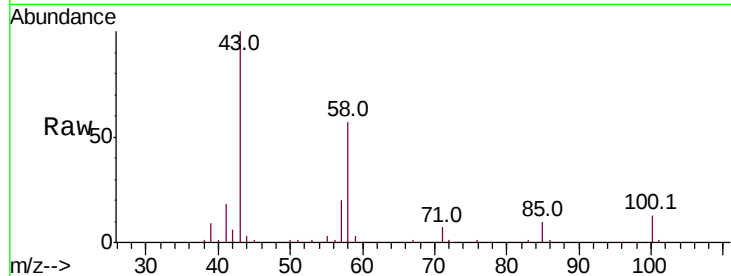
#59
2-Hexanone
Concen: 94.197 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.0	67.4
57	19.9	15.4	23.0

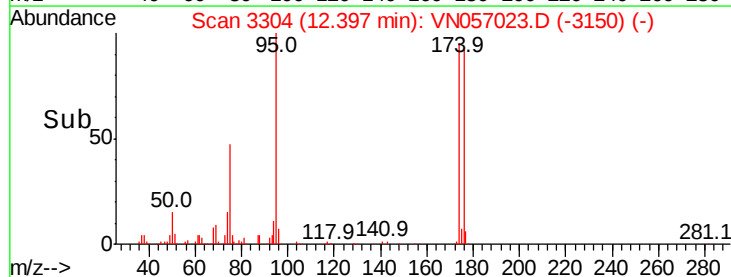
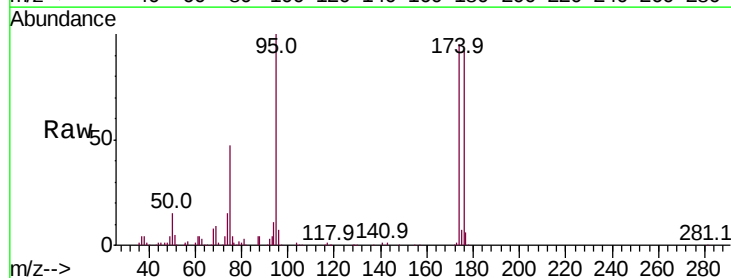
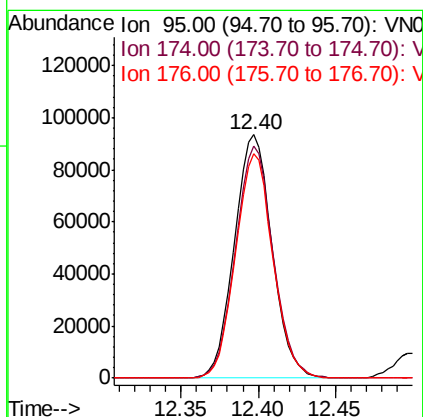
Manual Integrations
APPROVED

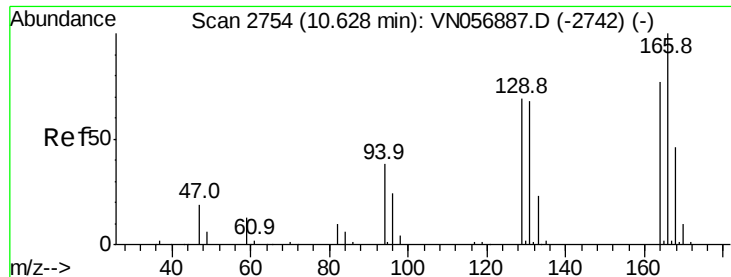
MMDadoda
8/2/2019 10:44:50 AM



#60
4-Bromofluorobenzene
Concen: 28.494 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.3	71.9	107.9
176	91.6	69.8	104.8





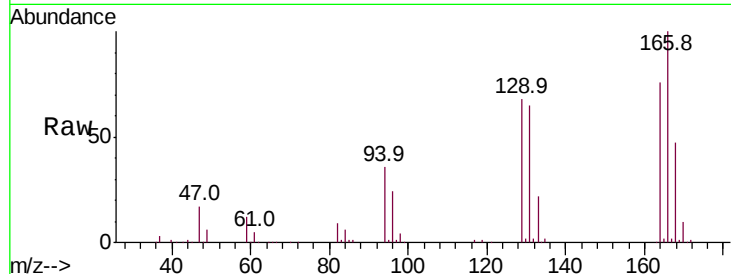
#61
Tetrachloroethene
Concen: 21.467 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.4	103.9	155.9
129	89.9	72.4	108.6
131	85.8	70.3	105.5

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM



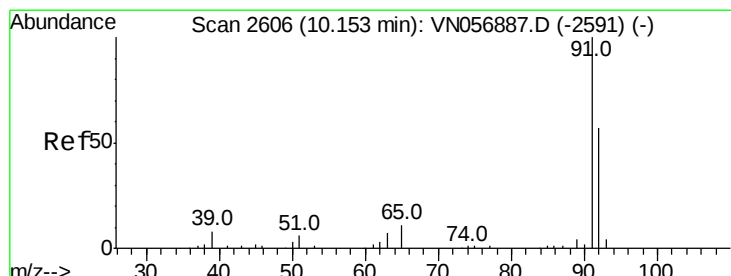
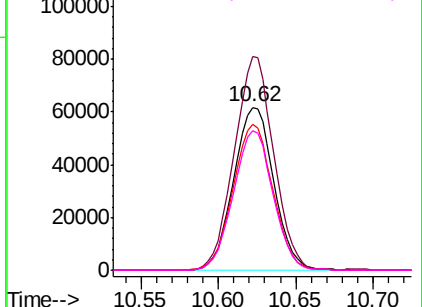
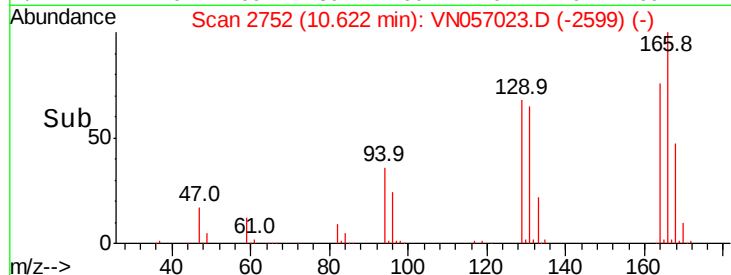
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

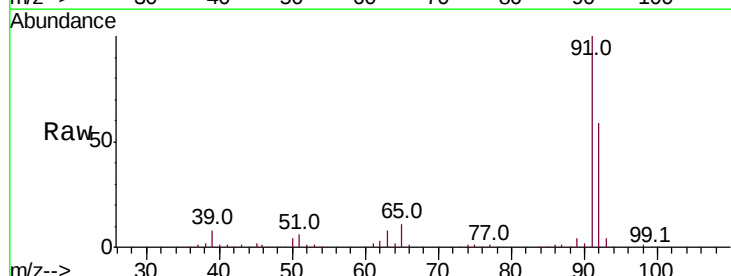
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 19.678 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

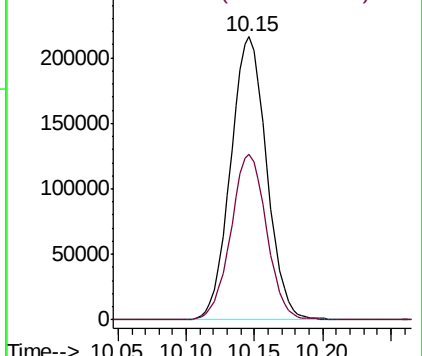
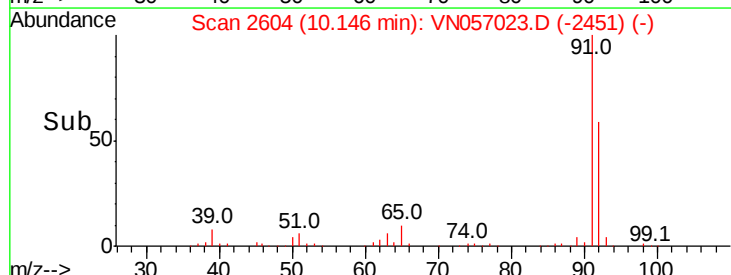
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.1	69.1

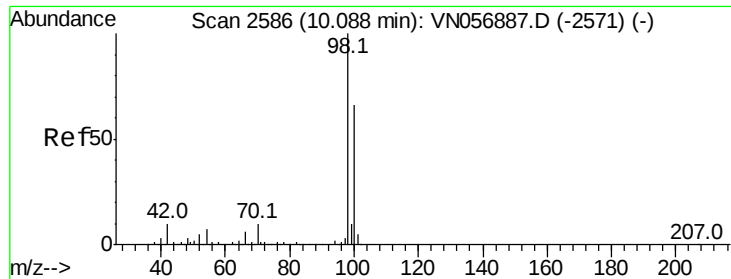


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.775 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 537766

Ion Ratio Lower Upper

98 100

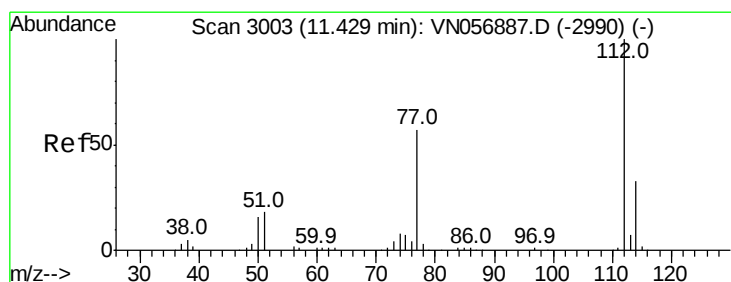
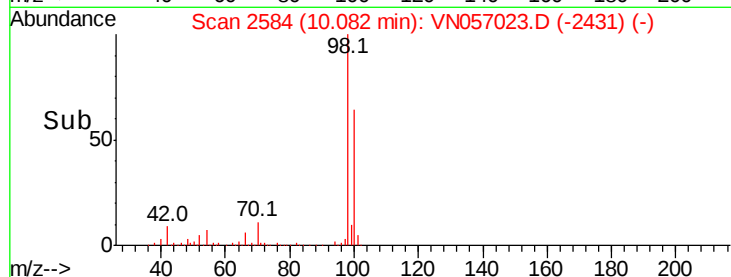
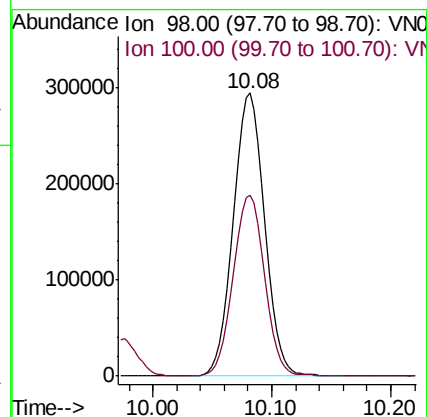
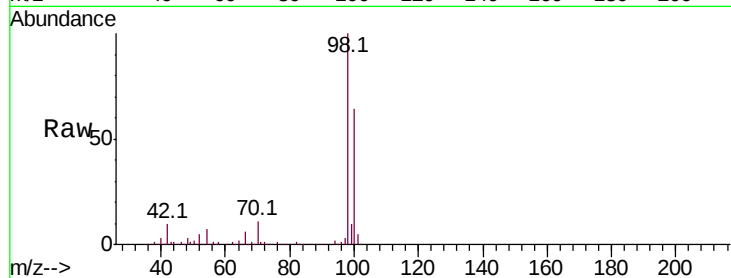
100 64.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:50 AM



#64

Chlorobenzene

Concen: 20.060 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057023.D

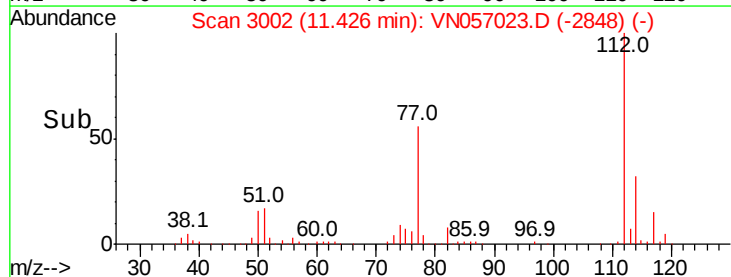
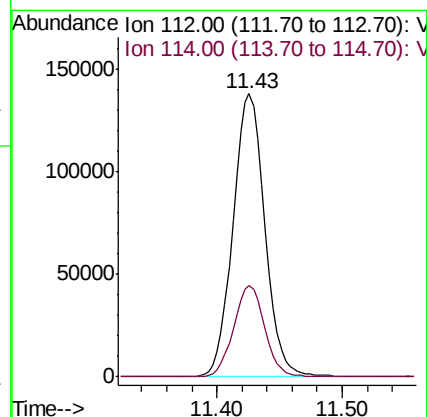
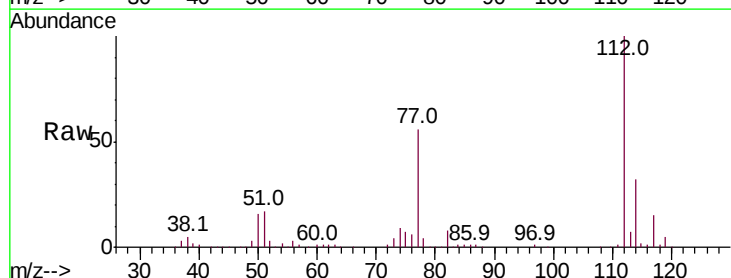
Acq: 1 Aug 2019 9:03

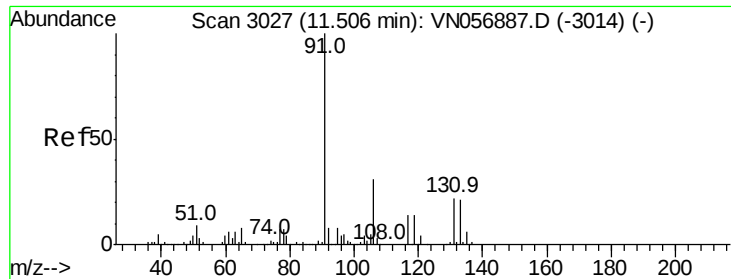
Tgt Ion: 112 Resp: 243103

Ion Ratio Lower Upper

112 100

114 32.3 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.035 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

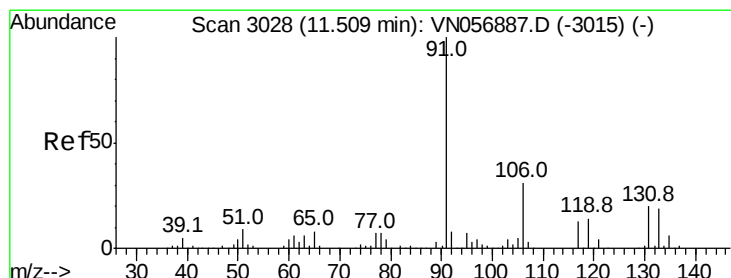
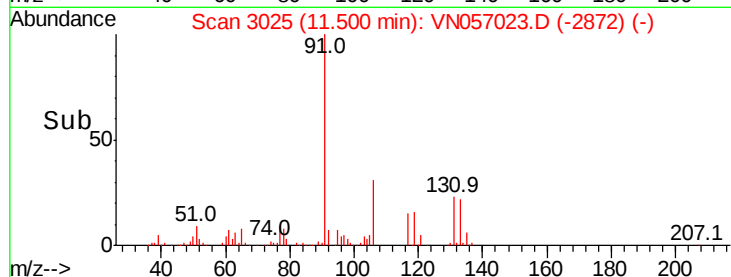
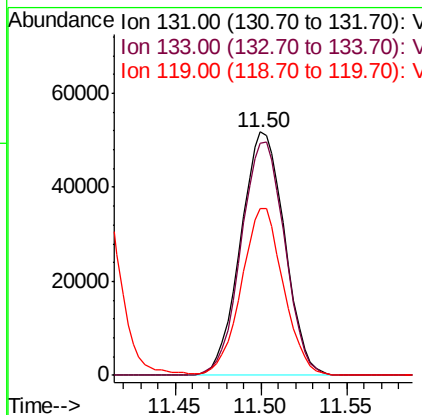
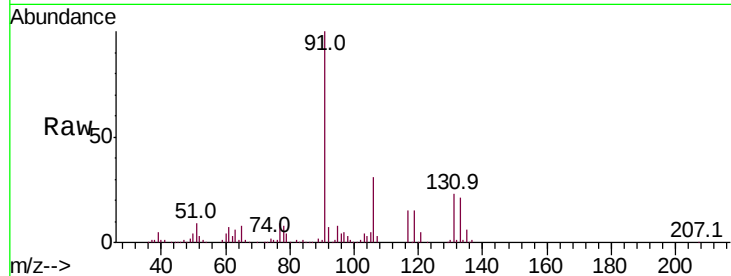
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	91961
Ion Ratio	Lower	Upper	
131	100		
133	94.9	0.0	189.6
119	65.7	0.0	133.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM



#66

Ethyl Benzene

Concen: 19.588 ug/l

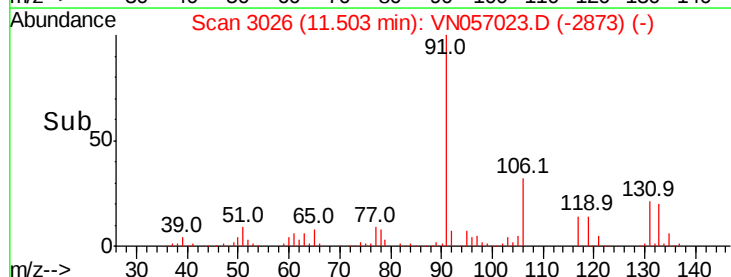
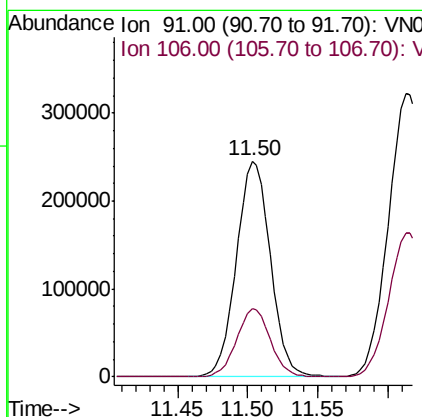
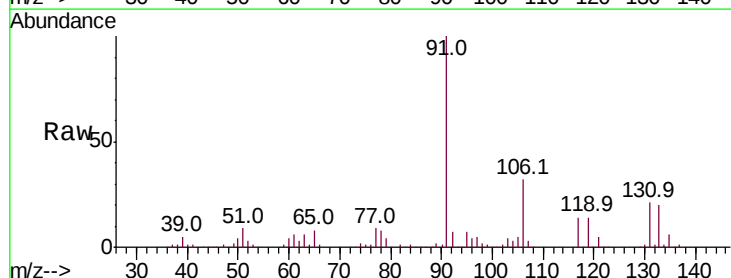
RT: 11.50 min Scan# 3026

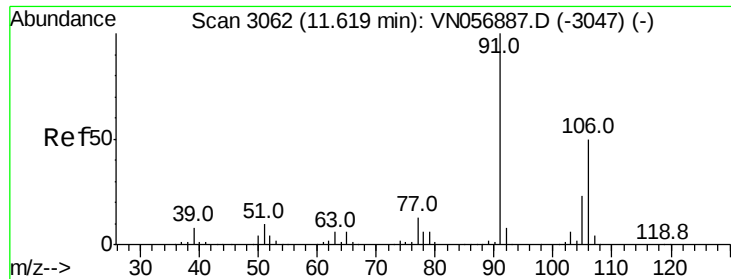
Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Tgt Ion:	91	Resp:	415271
Ion Ratio	Lower	Upper	
91	100		
106	31.7	24.9	37.3





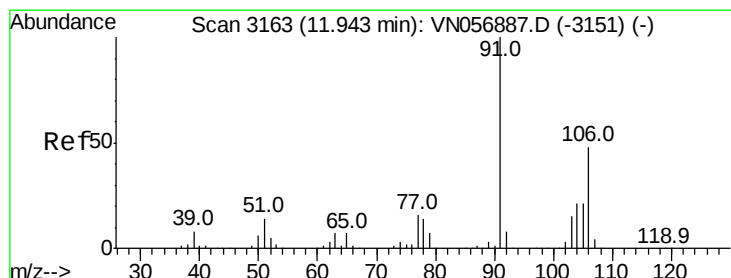
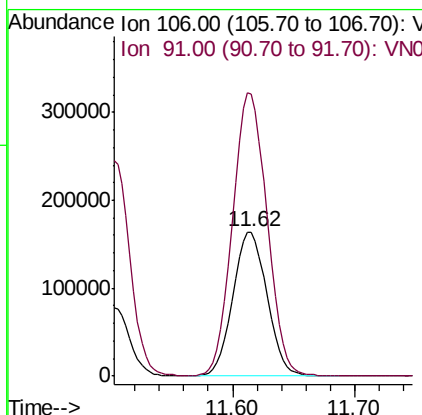
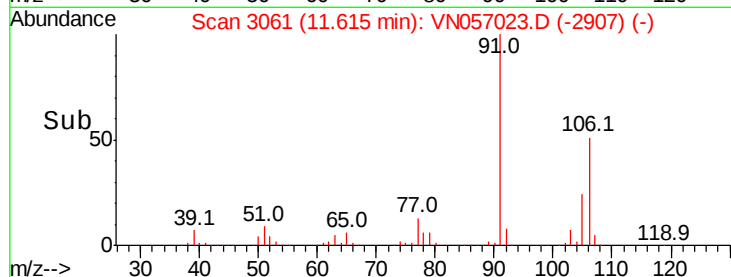
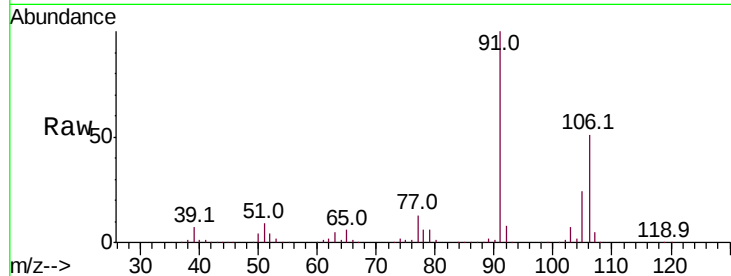
#67
m/p-Xylenes
Concen: 40.124 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 317206
Ion Ratio Lower Upper
106 100
91 198.9 160.6 240.8

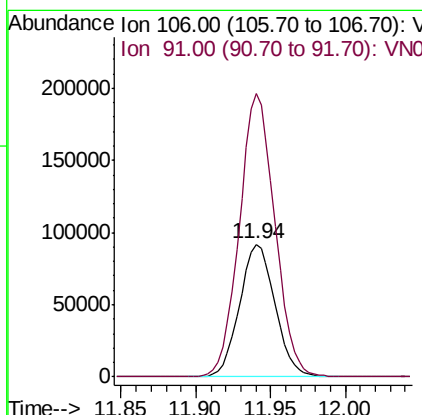
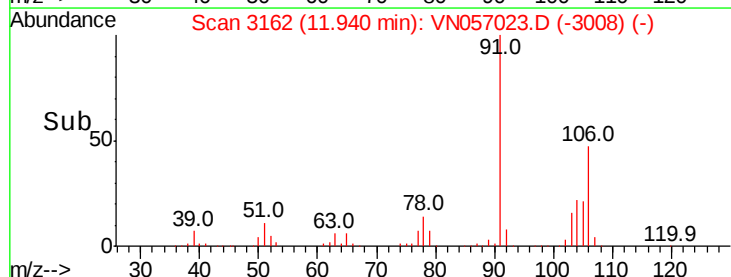
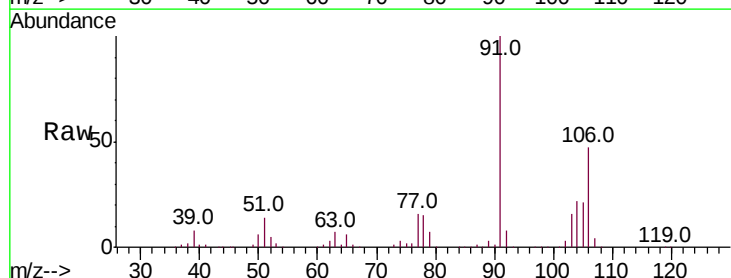
Manual Integrations
APPROVED

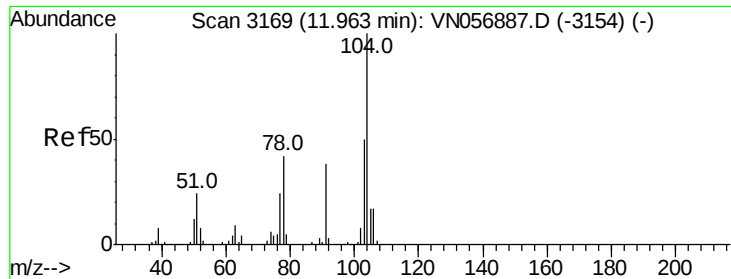
MMDadoda
8/2/2019 10:44:50 AM



#68
o-Xylene
Concen: 19.563 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion:106 Resp: 152057
Ion Ratio Lower Upper
106 100
91 212.7 106.2 318.6





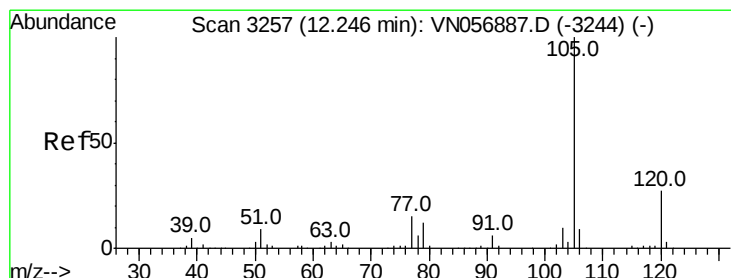
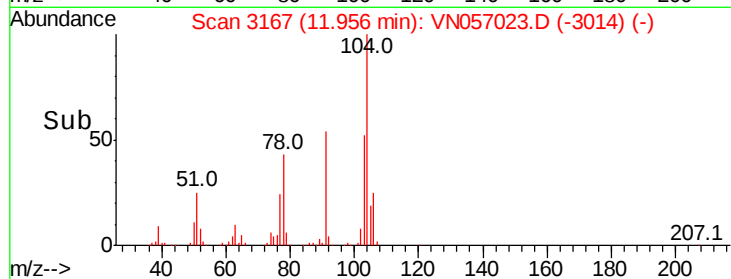
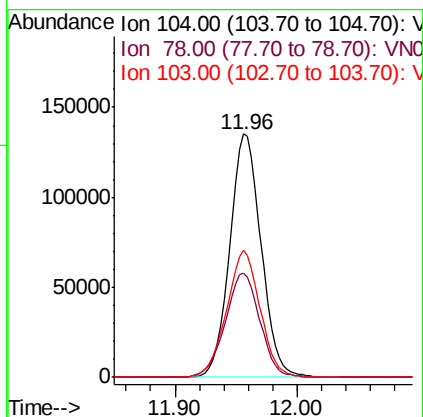
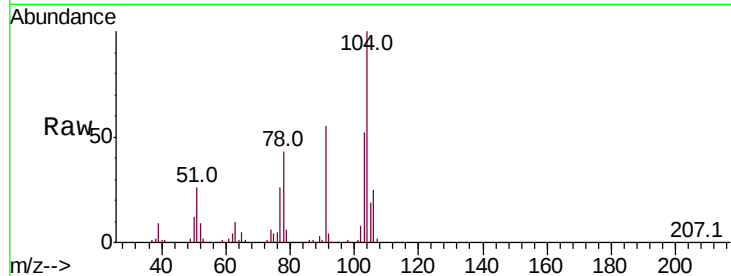
#69
Stvrene
Concen: 19.210 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	241965		
78	47.4		38.5	57.7
103	55.9		44.7	67.1

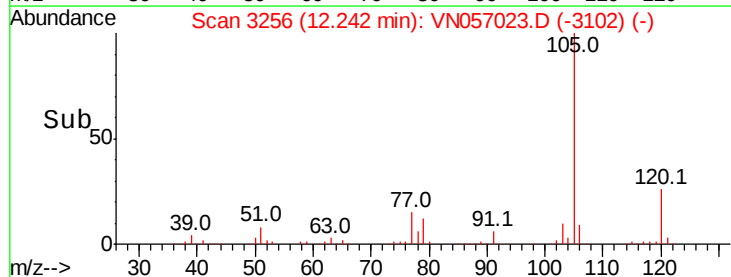
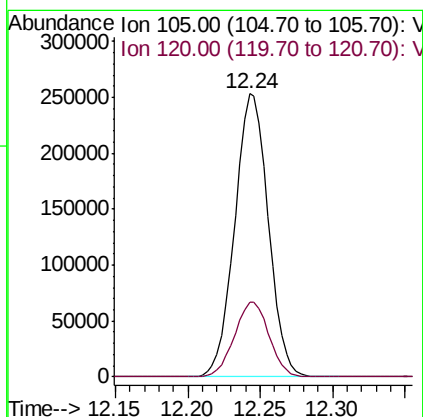
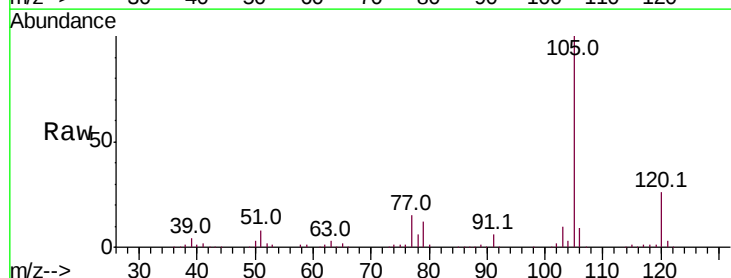
Manual Integrations
APPROVED

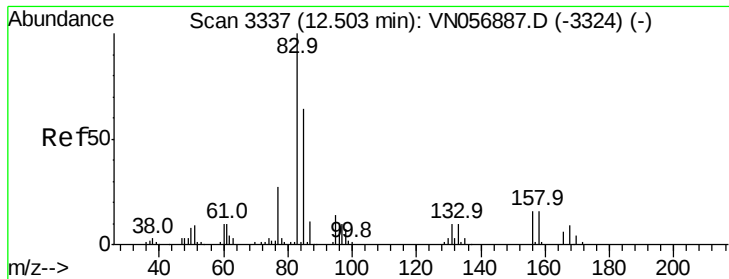
MMDadoda
8/2/2019 10:44:50 AM



#70
Isopropylbenzene
Concen: 19.887 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	407008		
120	27.1		18.7	34.7





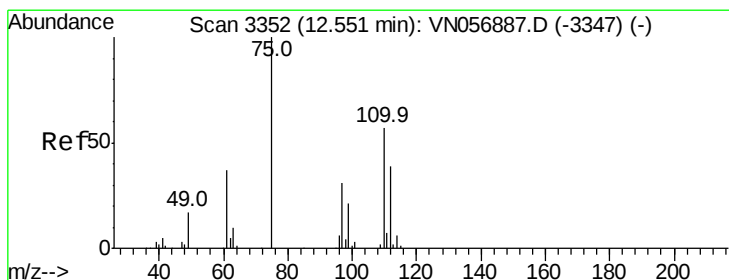
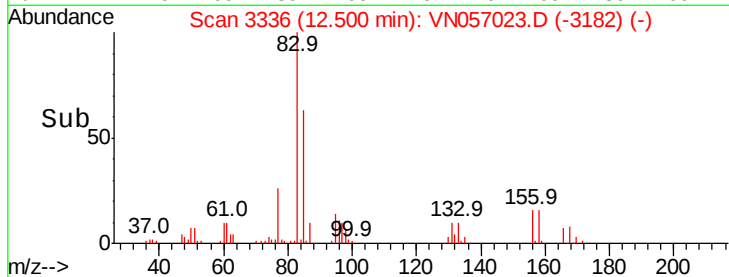
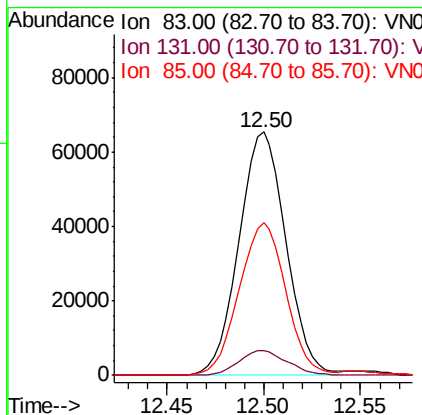
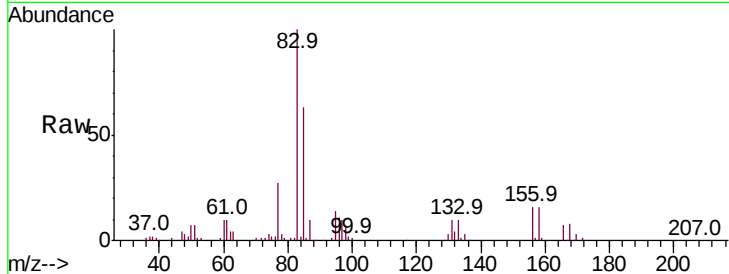
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.342 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.4	5.1	15.2	
85	62.1	31.8	95.4	

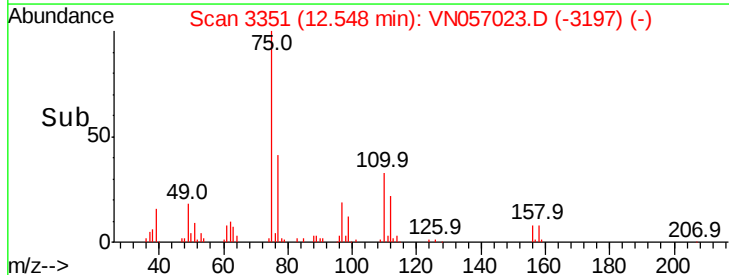
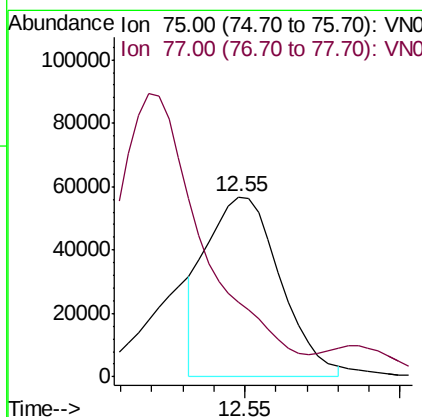
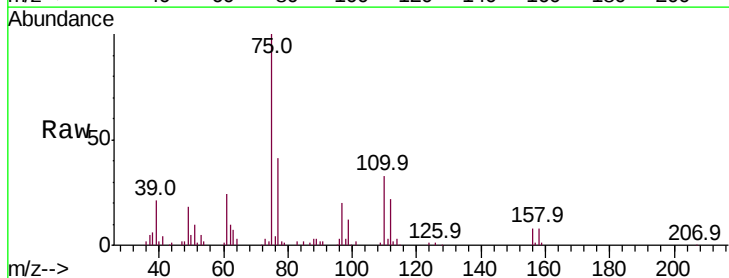
Manual Integrations
 APPROVED

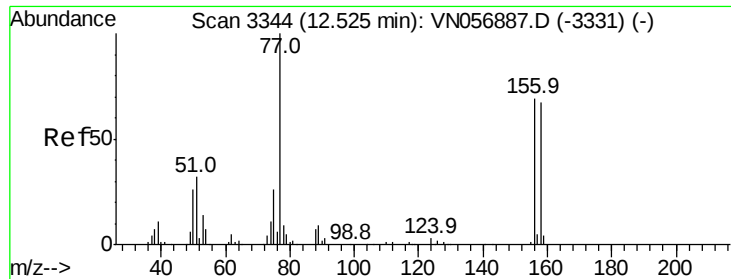
MMDadoda
 8/2/2019 10:44:50 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.646 ug/l m
 RT: 12.55 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	194.3	0.0	378.6	





#73

Bromobenzene

Concen: 19.536 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

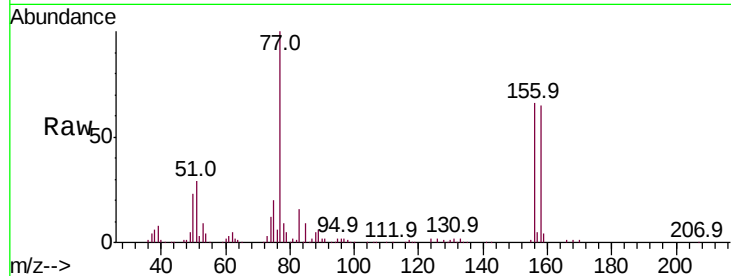
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	103174
Ion Ratio	Lower	Upper	
156	100		
77	177.1	0.0	364.6
158	98.5	0.0	196.2

Manual Integrations
APPROVED

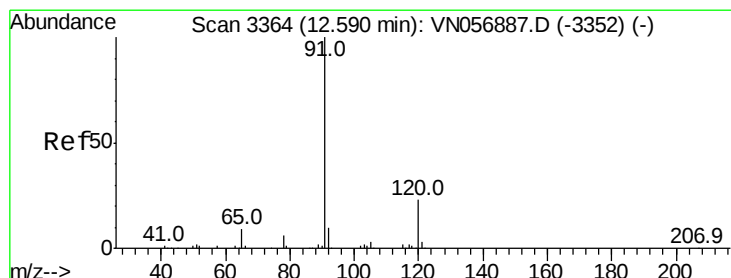
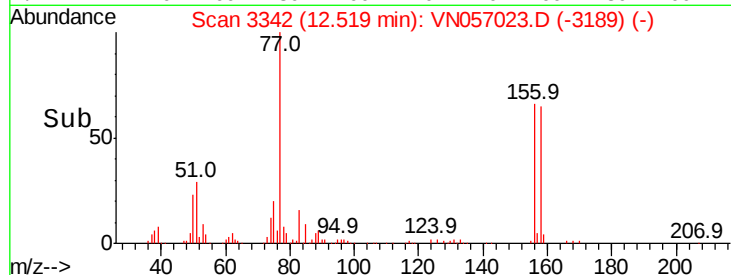
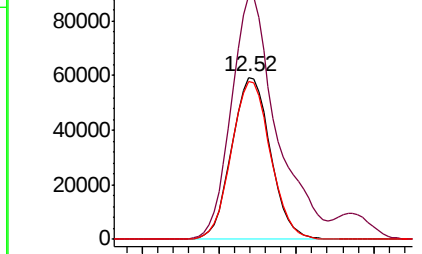
MMDadoda
8/2/2019 10:44:50 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.275 ug/l

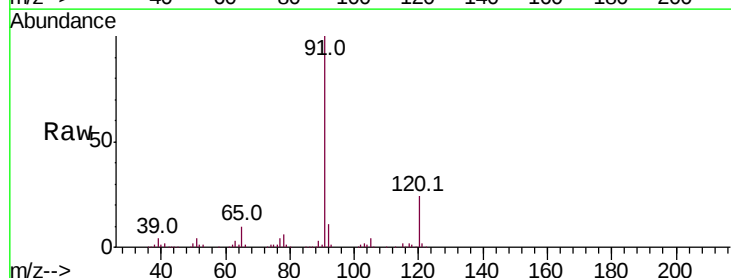
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057023.D

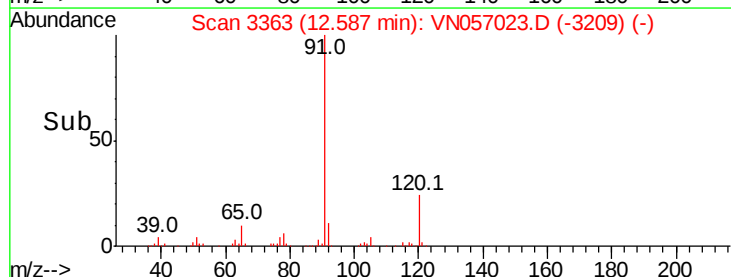
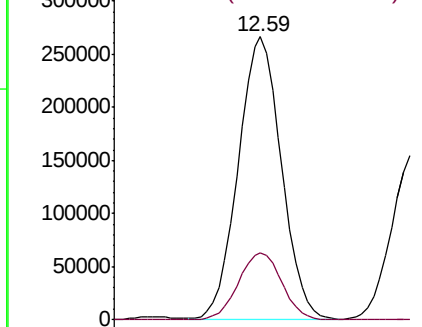
Acq: 1 Aug 2019 9:03

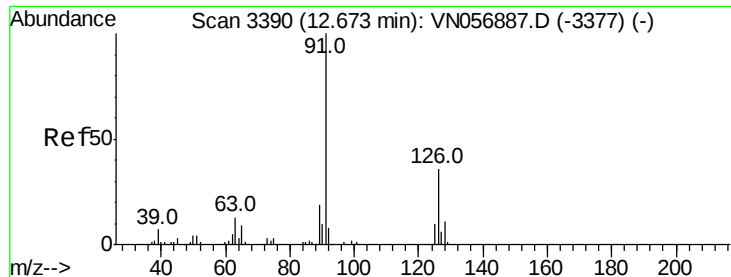
Tgt Ion:	91	Resp:	431330
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.711 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 267422

Ion Ratio Lower Upper

91 100

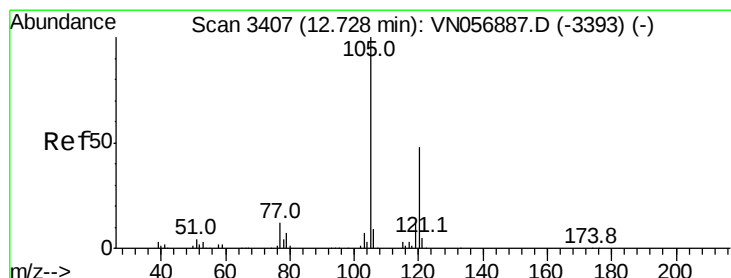
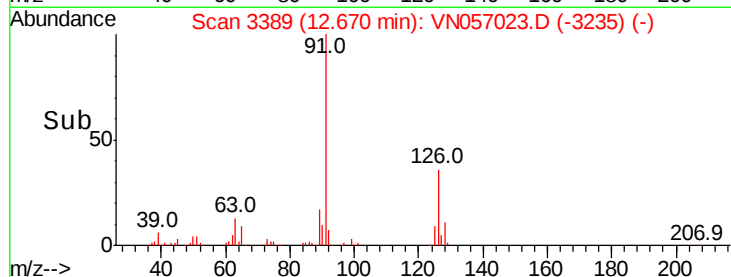
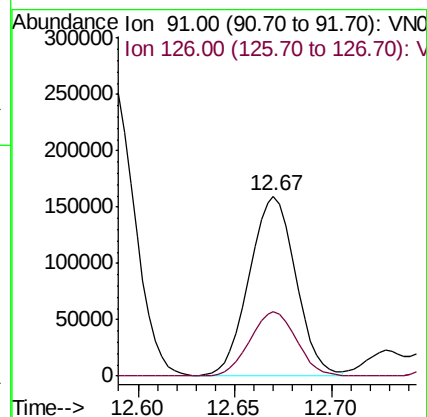
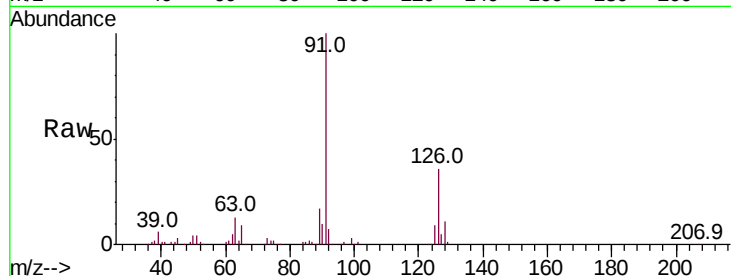
126 36.0 0.0 70.8

Manual Integrations

APPROVED

MMDadoda

8/2/2019 10:44:50 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.191 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057023.D

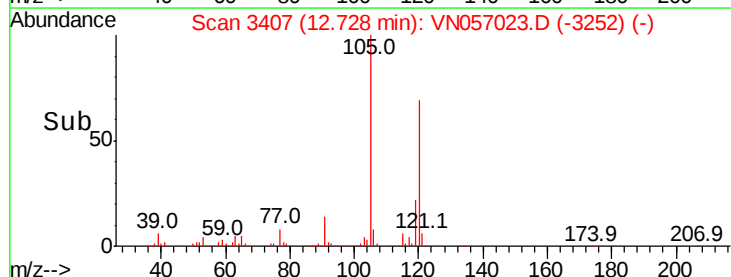
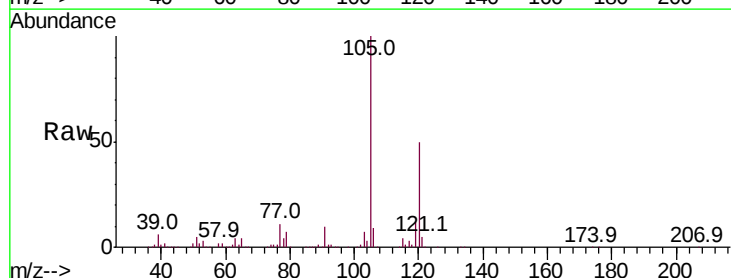
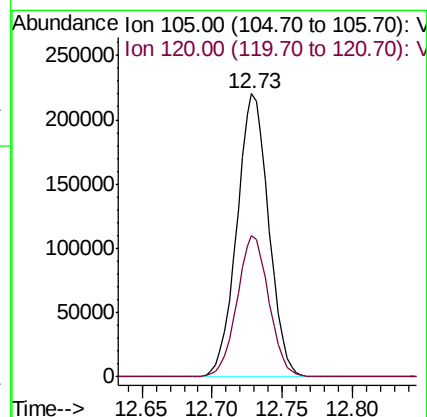
Acq: 1 Aug 2019 9:03

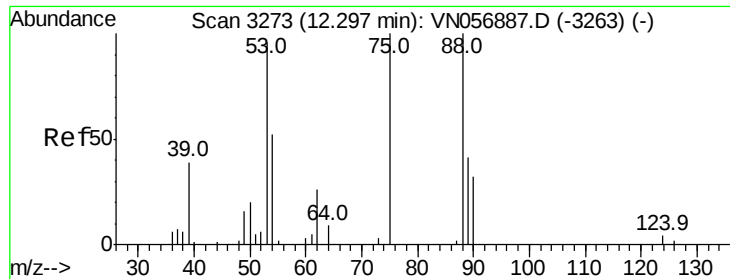
Tgt Ion: 105 Resp: 347884

Ion Ratio Lower Upper

105 100

120 49.9 0.0 97.2





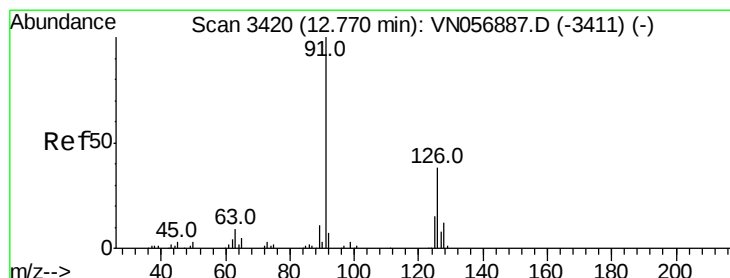
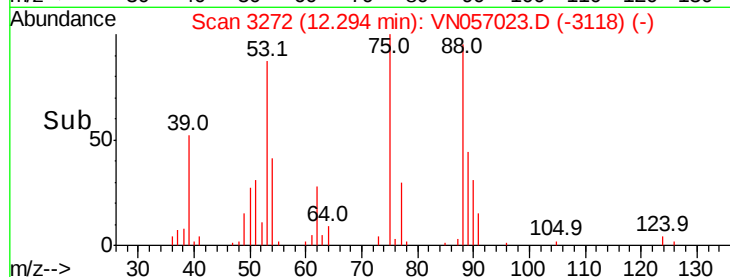
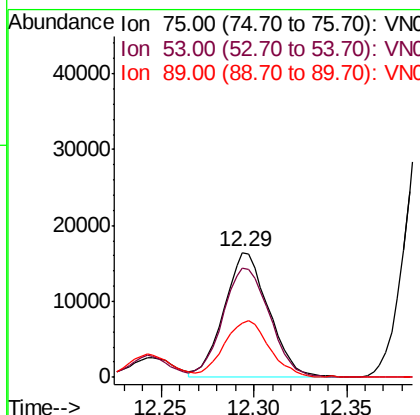
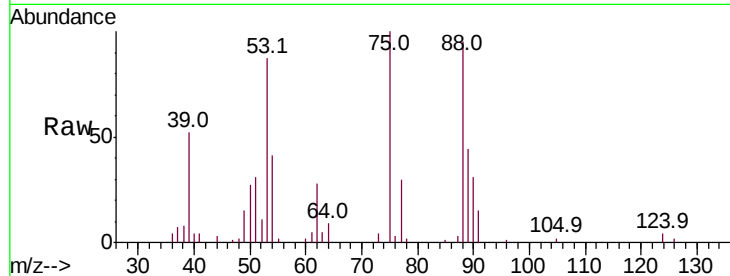
#77
t-1,4-Dichloro-2-butene
Concen: 17.412 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	48.0	144.0
89	43.9	21.4	64.3

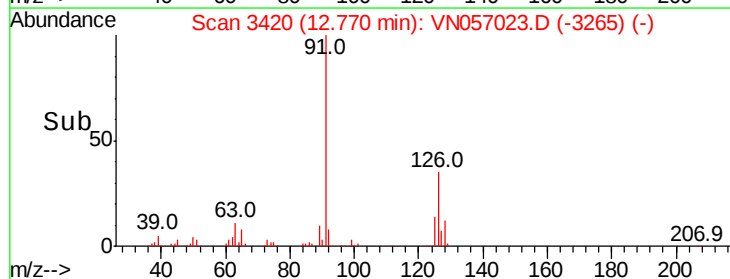
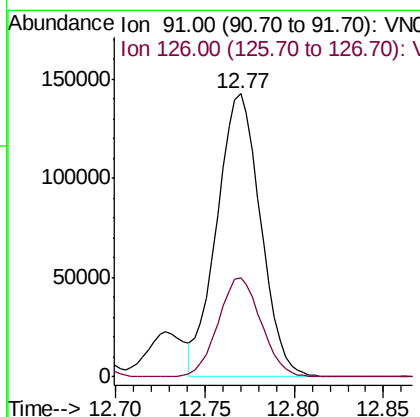
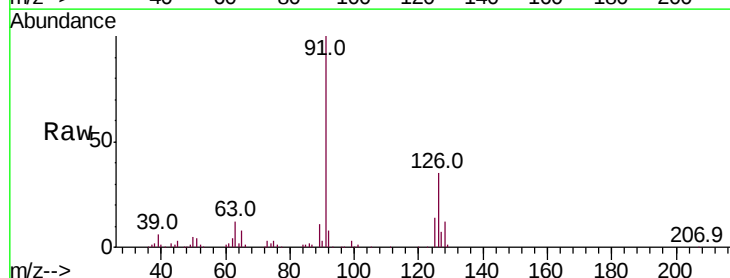
Manual Integrations
APPROVED

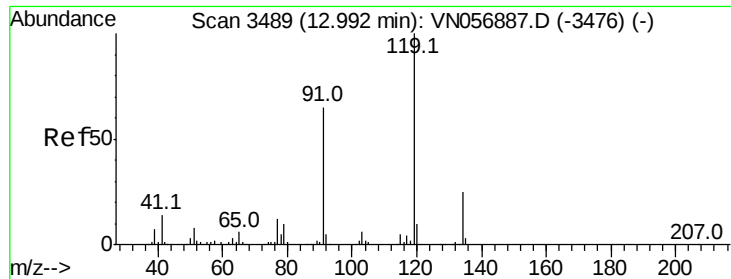
MMDadoda
8/2/2019 10:44:50 AM



#78
4-Chlorotoluene
Concen: 18.774 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	69.6





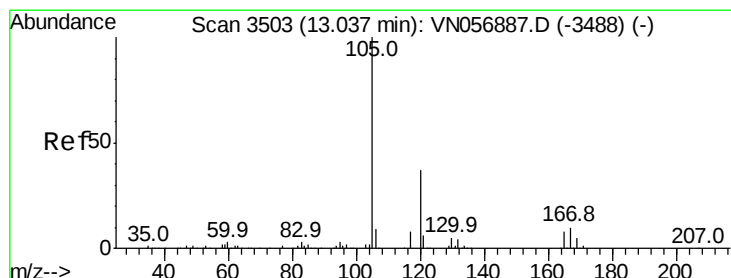
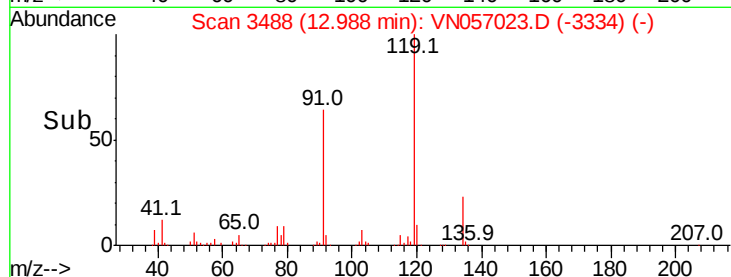
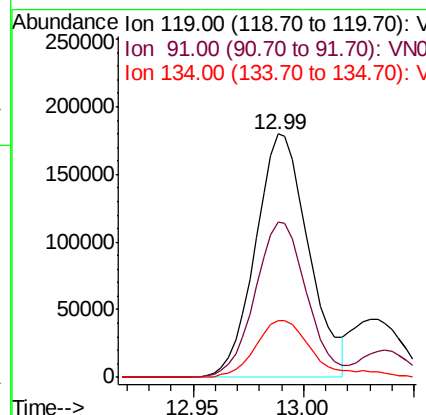
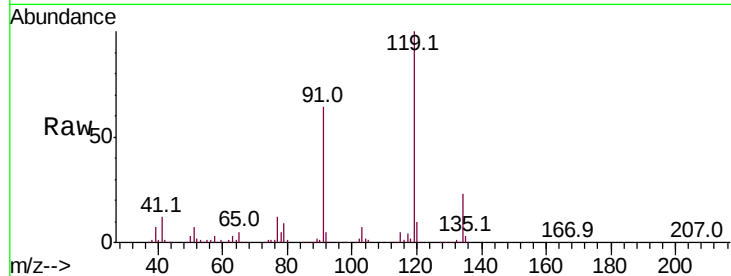
#79
tert-butylbenzene
Concen: 20.246 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301008		
91	61.7	0.0	126.8	
134	24.2	0.0	48.8	

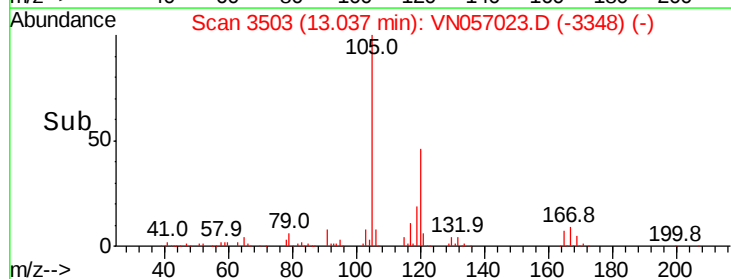
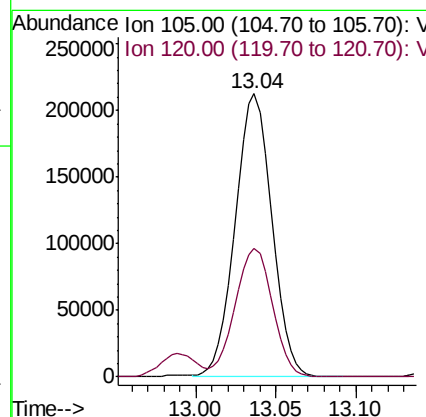
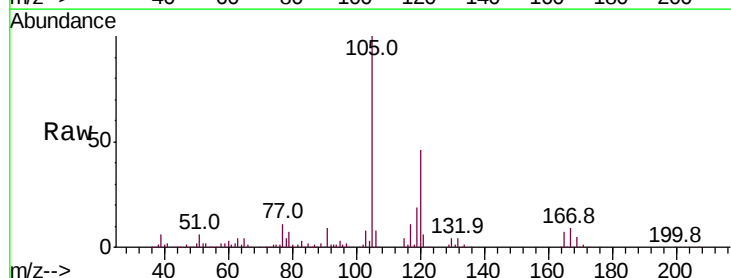
Manual Integrations
APPROVED

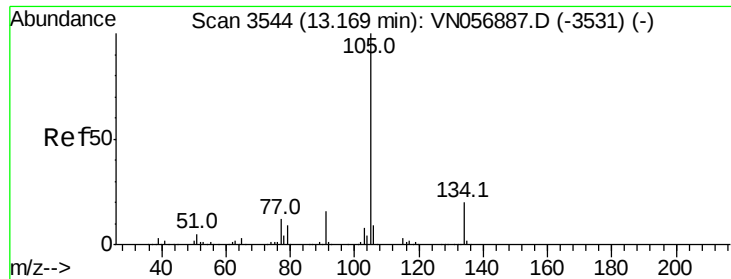
MMDadoda
8/2/2019 10:44:50 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.788 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332354		
120	46.2	0.0	90.6	





#81

sec-Butylbenzene

Concen: 19.726 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

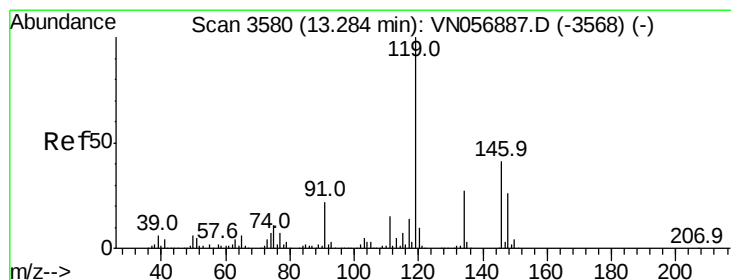
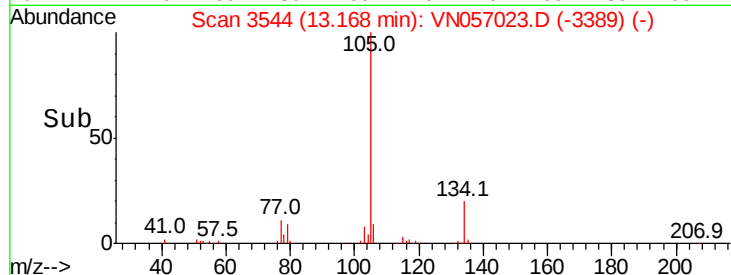
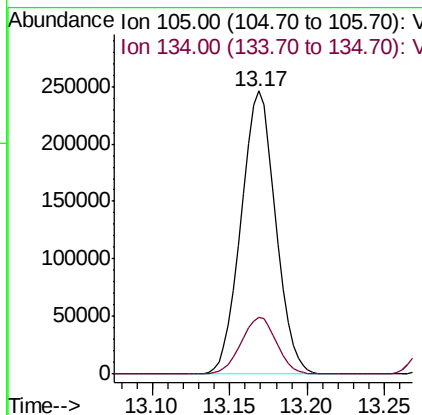
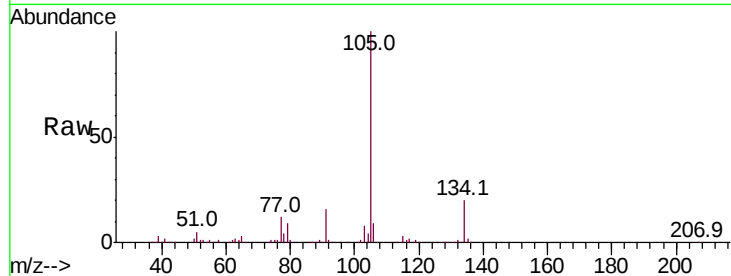
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	382901		
134	20.5	0.0	41.2	

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM



#82

p-Isopropyltoluene

Concen: 19.494 ug/l

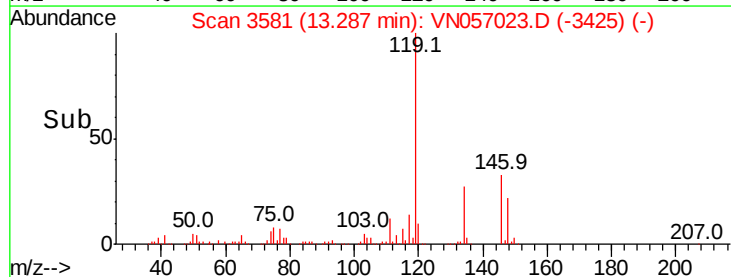
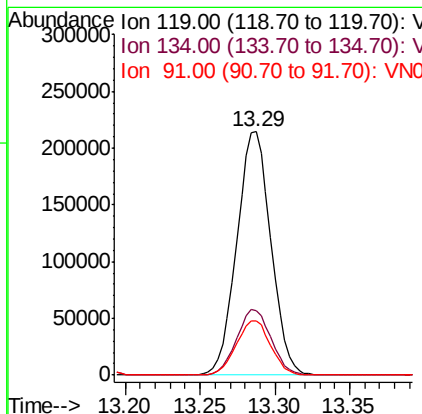
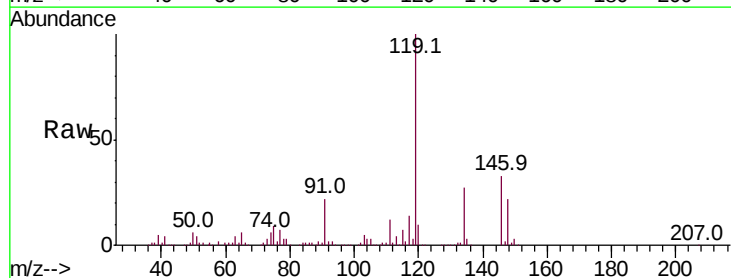
RT: 13.29 min Scan# 3581

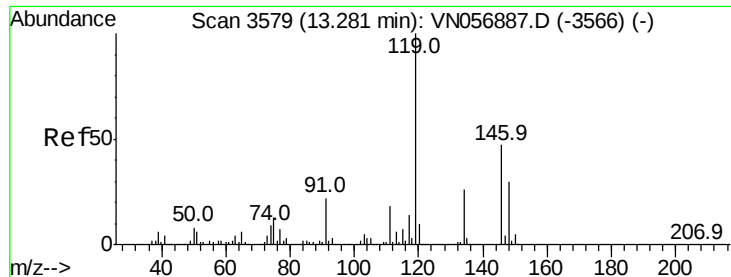
Delta R.T. 0.00 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	339837		
134	27.2	0.0	53.2	
91	22.5	0.0	44.0	





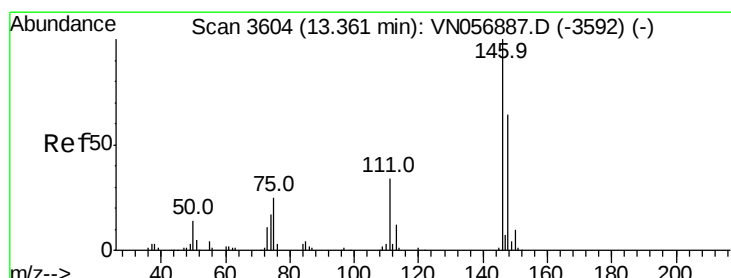
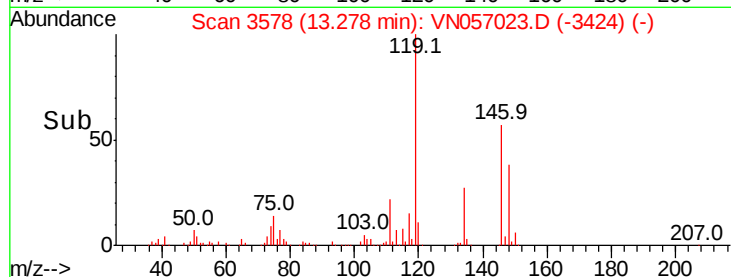
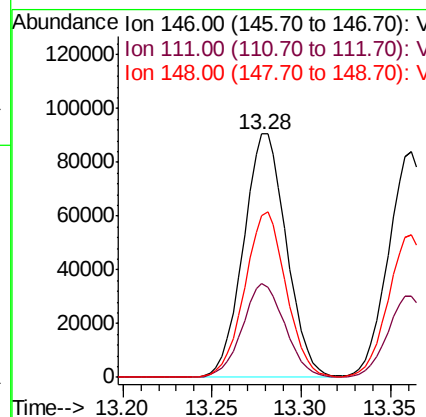
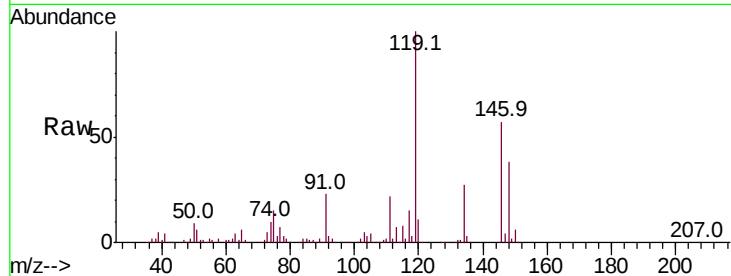
#83
 1,3-Dichlorobenzene
 Concen: 18.370 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	65.6	31.7	95.1

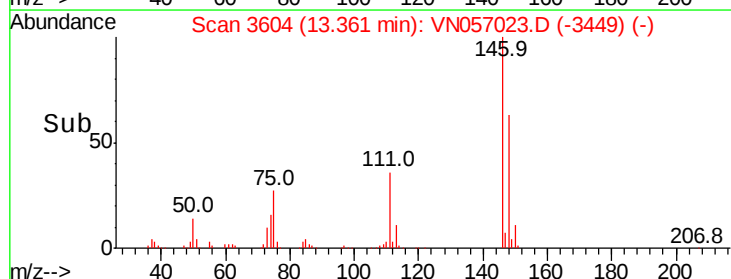
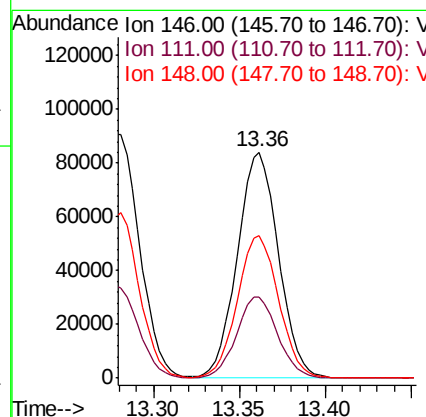
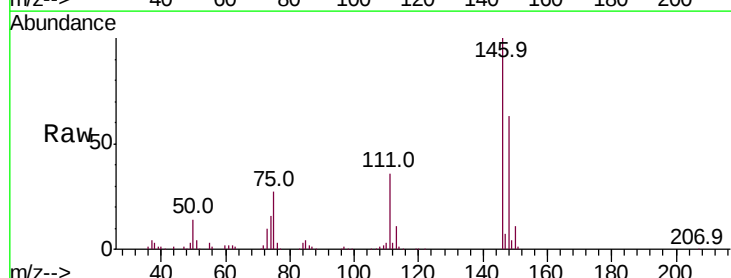
Manual Integrations
 APPROVED

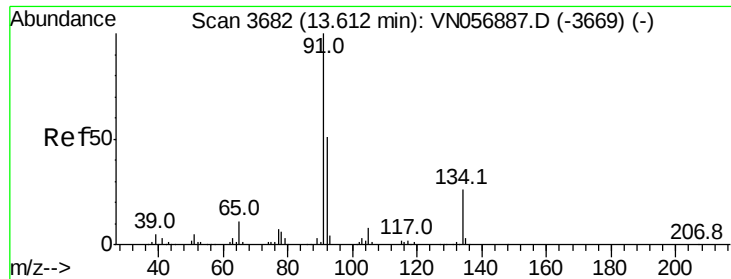
MMDadoda
 8/2/2019 10:44:50 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.852 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.8	53.5
148	63.4	32.6	97.7





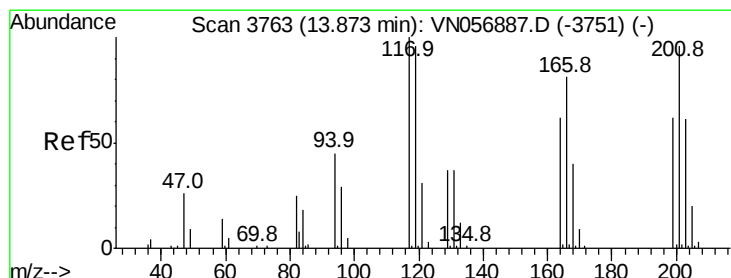
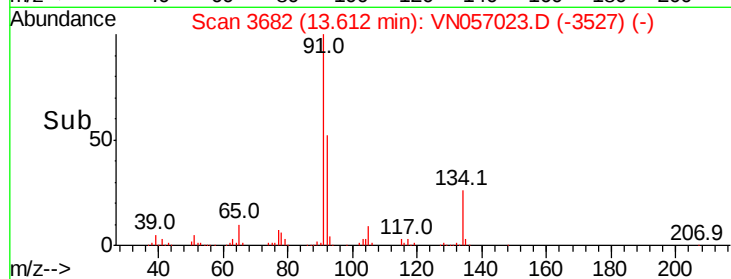
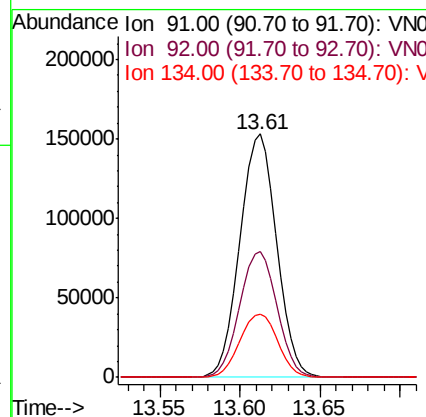
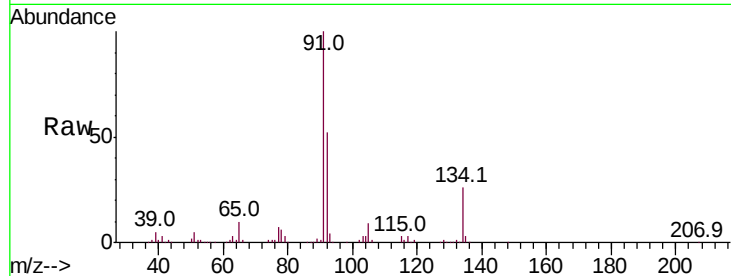
#85
n-Butylbenzene
Concen: 17.479 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	239260		
92	52.6	0.0	101.8	
134	27.1	0.0	52.4	

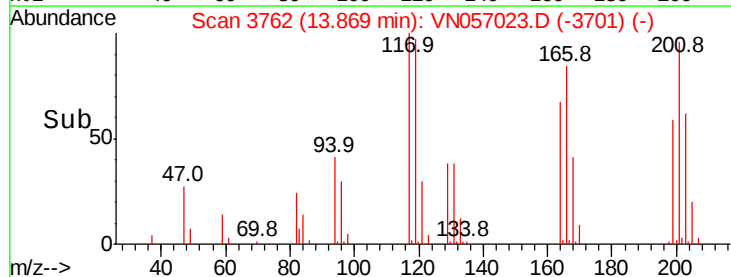
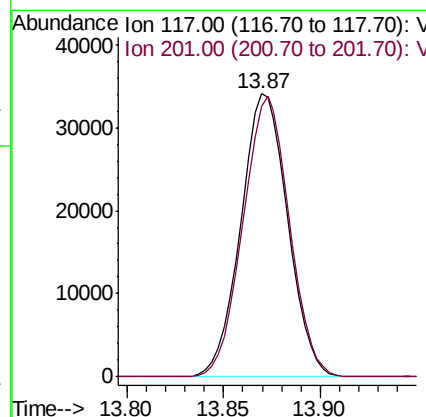
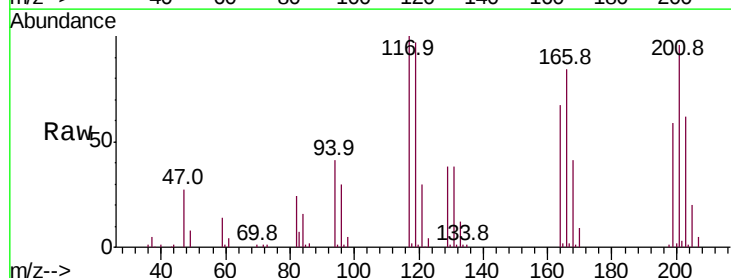
Manual Integrations
APPROVED

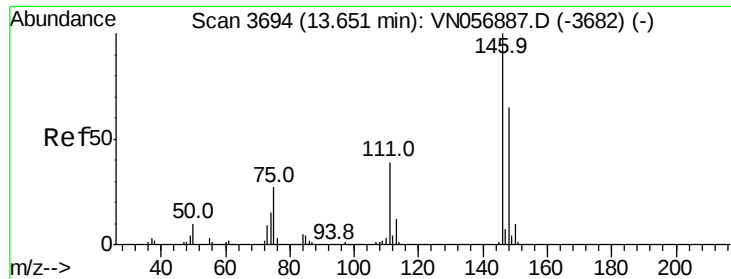
MMDadoda
8/2/2019 10:44:50 AM



#86
Hexachloroethane
Concen: 19.685 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN057023.D
Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	57430		
201	97.9	47.8	143.3	





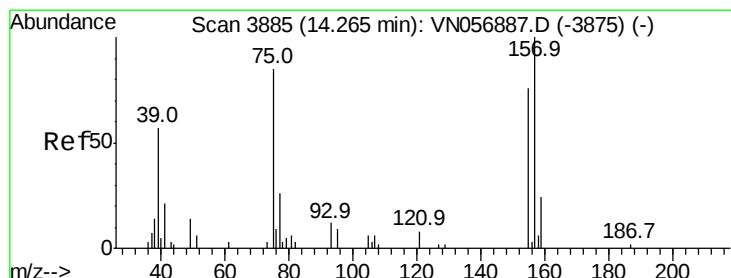
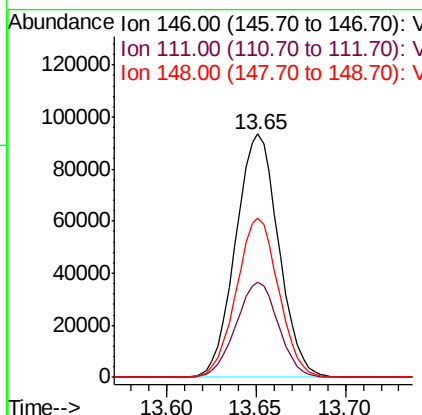
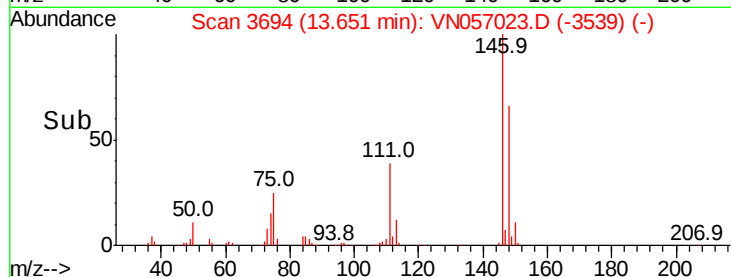
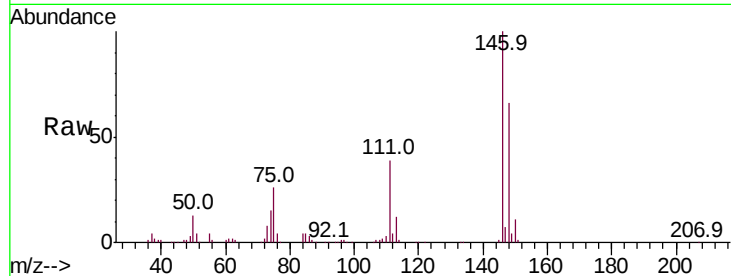
#87
 1,2-Dichlorobenzene
 Concen: 19.067 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.8
148	64.5	32.5	97.5

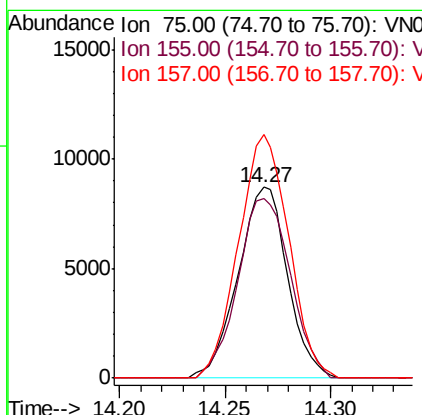
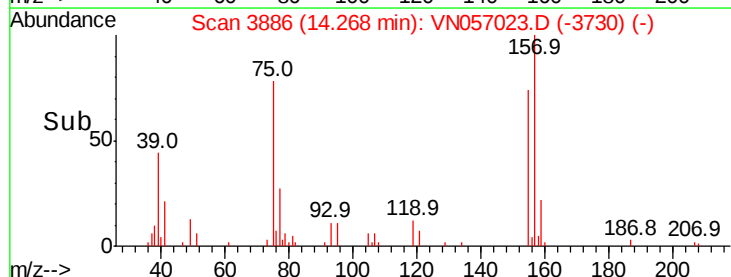
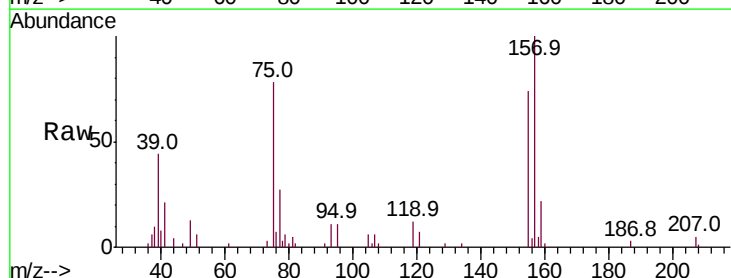
Manual Integrations
 APPROVED

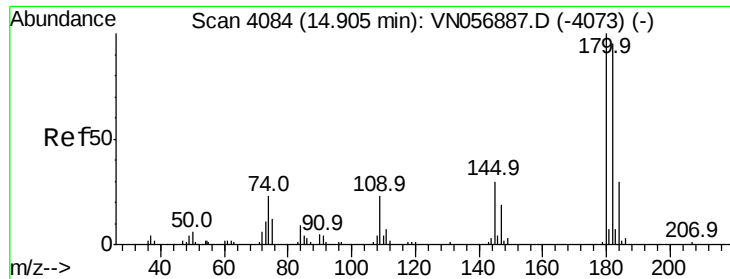
MMDadoda
 8/2/2019 10:44:50 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.021 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	73.4	110.2
157	129.4	95.0	142.6





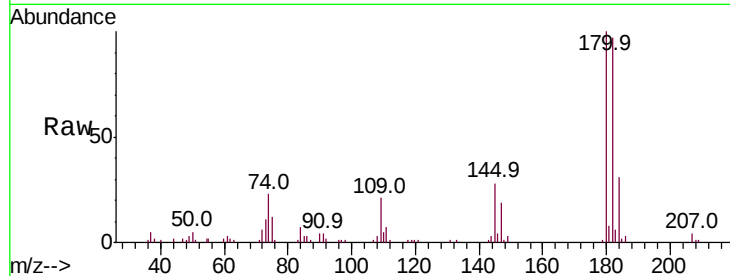
#89
 1,2,4-Trichlorobenzene
 Concen: 17.204 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52269		
182	95.2	77.0	115.4	
145	28.0	23.5	35.3	

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 10:44:50 AM

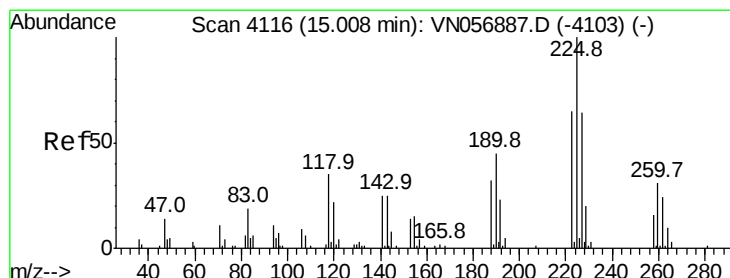
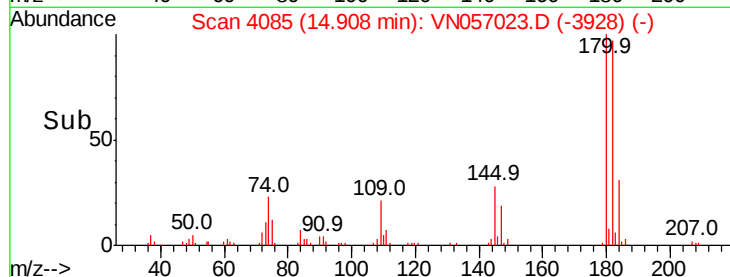
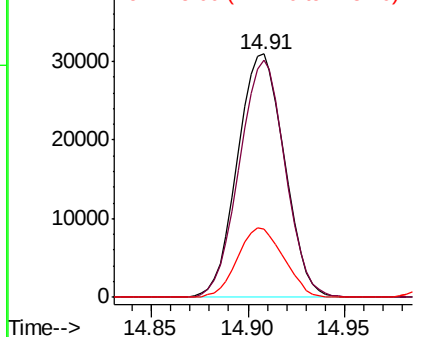


Abundance

Ion 180.00 (179.70 to 180.70): V

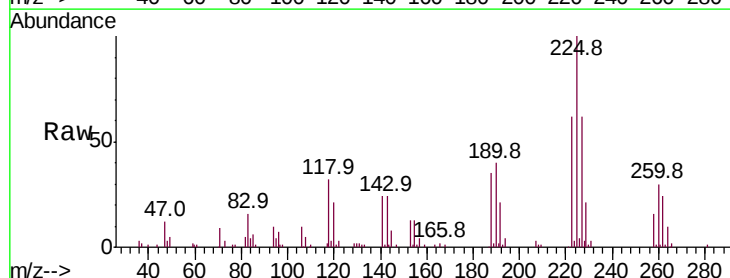
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 22.245 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057023.D
 Acq: 1 Aug 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67533		
223	62.5	0.0	130.0	
227	63.9	0.0	127.2	

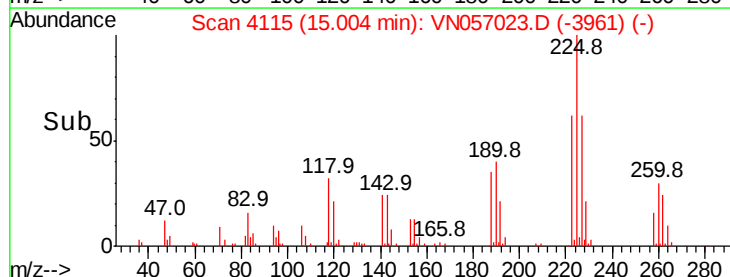
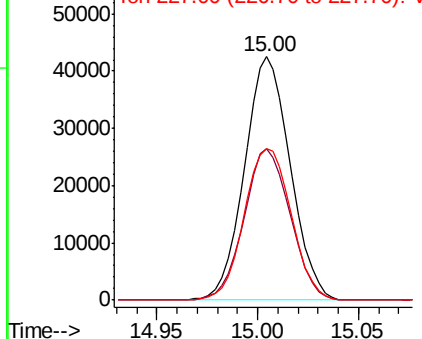


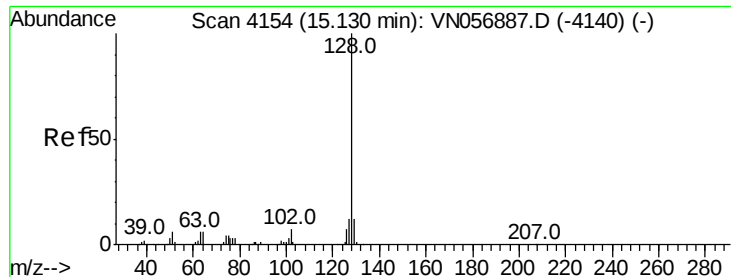
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 15.692 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Instrument :

MSVOA_N

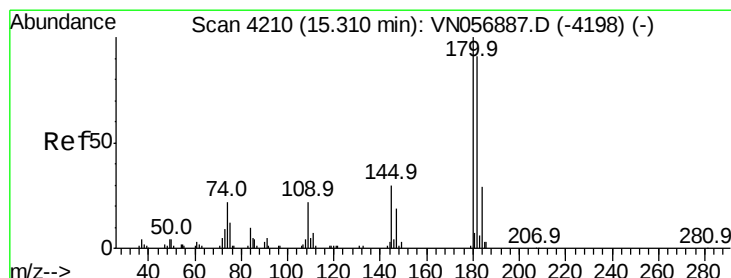
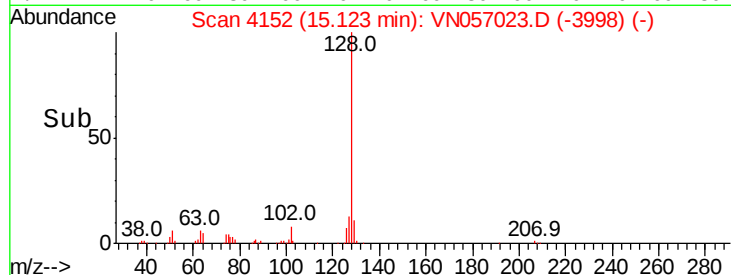
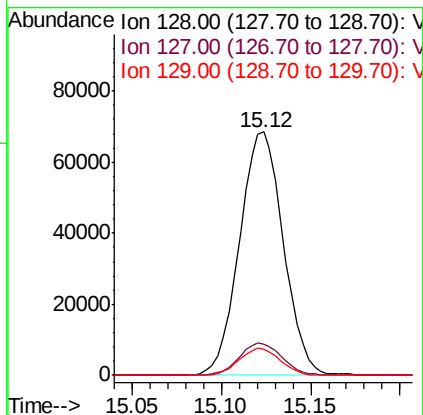
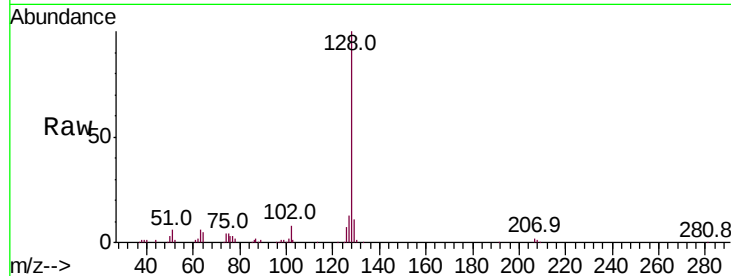
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	116967
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.4	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 10:44:50 AM



#92

1,2,3-Trichlorobenzene

Concen: 13.966 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057023.D

Acq: 1 Aug 2019 9:03

Tgt Ion:	180	Resp:	60981
Ion Ratio	Lower	Upper	
180	100		
182	97.6	0.0	188.0
145	30.1	0.0	61.0

