

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065275.D
 Acq On : 21 Feb 2020 15:05
 Operator : VA/SY
 Sample : L1635-03MSD
 Misc : 6.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:51 AM

Quant Time: Feb 22 02:51:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	410140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	129268	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	196019	53.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.26%	
35) Dibromofluoromethane	7.92	113	208498	57.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.00%	
50) Toluene-d8	10.34	98	736555	53.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.64	95	160286	36.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	187705	54.565	ug/l	98
3) Chloromethane	2.21	50	223726	51.096	ug/l	100
4) Vinyl Chloride	2.35	62	226219	50.809	ug/l	99
5) Bromomethane	2.77	94	136310	50.635	ug/l	96
6) Chloroethane	2.93	64	136504	50.227	ug/l	99
7) Trichlorofluoromethane	3.27	101	306906	48.147	ug/l	98
8) Diethyl Ether	3.71	74	93714	48.705	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	183690	45.632	ug/l	98
10) Methyl Iodide	4.30	142	236233	56.521	ug/l	99
11) Tert butyl alcohol	5.26	59	40882	185.423	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	189151	49.742	ug/l	99
13) Acrolein	3.93	56	46598	162.275	ug/l	93
14) Allyl chloride	4.71	41	315394	51.075	ug/l	98
15) Acrylonitrile	5.43	53	186345	218.747	ug/l	99
16) Acetone	4.17	43	127817	141.715	ug/l	97
17) Carbon Disulfide	4.40	76	596800	46.813	ug/l	100
18) Methyl Acetate	4.73	43	283636	139.824	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	386752	48.772	ug/l	98
20) Methylene Chloride	4.97	84	240504	60.903	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	212701	49.204	ug/l	96
22) Diisopropyl ether	6.37	45	608838	51.145	ug/l	96
23) Vinyl Acetate	6.31	43	240052	36.578	ug/l	98
24) 1,1-Dichloroethane	6.27	63	370029	50.114	ug/l	98
25) 2-Butanone	7.22	43	209838	183.884	ug/l	99
26) 2,2-Dichloropropane	7.21	77	312831	48.831	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	223838	48.884	ug/l	100
28) Bromochloromethane	7.56	49	140347	51.234	ug/l	100
29) Tetrahydrofuran	7.57	42	146681	219.378	ug/l	99
30) Chloroform	7.71	83	361843	48.642	ug/l	97
31) Cyclohexane	7.99	56	278607	38.403	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	321056	48.238	ug/l	99
36) 1,1-Dichloropropene	8.11	75	260546	45.025	ug/l	100
37) Ethyl Acetate	7.30	43	82760	34.211	ug/l	98
38) Carbon Tetrachloride	8.10	117	274007	46.515	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065275.D
 Acq On : 21 Feb 2020 15:05
 Operator : VA/SY
 Sample : L1635-03MSD
 Misc : 6.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:51 AM

Quant Time: Feb 22 02:51:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	205765	30.246	ug/l	99
40) Benzene	8.36	78	814239	49.851	ug/l	95
41) Methacrylonitrile	7.54	41	58819	42.111	ug/l	99
42) 1,2-Dichloroethane	8.43	62	216533	48.222	ug/l	99
43) Isopropyl Acetate	8.46	43	165770	37.683	ug/l	95
44) Trichloroethene	9.11	130	204688	45.209	ug/l	98
45) 1,2-Dichloropropane	9.39	63	203013	49.985	ug/l	99
46) Dibromomethane	9.48	93	98008	46.901	ug/l	100
47) Bromodichloromethane	9.67	83	262767	47.714	ug/l	99
48) Methyl methacrylate	9.46	41	120906	59.461	ug/l	98
49) 1,4-Dioxane	9.47	88	22361	912.360	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	494999	221.542	ug/l	100
52) Toluene	10.41	92	466200	46.112	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	229866	45.031	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	289258	46.927	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	135236	45.979	ug/l	97
56) Ethyl methacrylate	10.67	69	111643	32.886	ug/l	99
57) 1,3-Dichloropropane	10.95	76	232196	46.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	228780	213.753	ug/l	100
59) 2-Hexanone	10.99	43	318139	198.908	ug/l	97
60) Dibromochloromethane	11.14	129	165516	43.967	ug/l	100
61) 1,2-Dibromoethane	11.25	107	123343	44.291	ug/l	97
64) Tetrachloroethene	10.88	164	138604	44.482	ug/l	95
65) Chlorobenzene	11.67	112	410974	46.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	179805	54.651	ug/l	98
67) Ethyl Benzene	11.75	91	729983	47.276	ug/l	99
68) m/p-Xylenes	11.86	106	547415	92.663	ug/l	99
69) o-Xylene	12.18	106	257892	49.274	ug/l	99
70) Styrene	12.20	104	402854	43.353	ug/l	98
71) Bromoform	12.37	173	88941	48.717	ug/l #	97
73) Isopropylbenzene	12.48	105	598163	69.894	ug/l	98
74) N-amyl acetate	12.30	43	60165	31.638	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	124514	80.615	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	84315m	76.660	ug/l	
77) Bromobenzene	12.77	156	142179	66.903	ug/l	96
78) n-propylbenzene	12.83	91	597100	58.058	ug/l	100
79) 2-Chlorotoluene	12.91	91	348863	60.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	447624	63.504	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39701	77.939	ug/l	96
82) 4-Chlorotoluene	13.01	91	339725	55.542	ug/l	99
83) tert-Butylbenzene	13.23	119	384484	65.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	432477	61.299	ug/l	100
85) sec-Butylbenzene	13.41	105	420670	49.417	ug/l	100
86) p-Isopropyltoluene	13.53	119	371136	47.674	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181559	44.193	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	183278	45.201	ug/l	98
89) n-Butylbenzene	13.86	91	231078	32.212	ug/l	100
90) Hexachloroethane	14.12	117	92908	58.777	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	167241	47.410	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	16089	67.594	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022120\
Data File : VD065275.D
Acq On : 21 Feb 2020 15:05
Operator : VA/SY
Sample : L1635-03MSD
Misc : 6.19G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM

Quant Time: Feb 22 02:51:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	52614	22.802	ug/l	99
94) Hexachlorobutadiene	15.28	225	35027	23.664	ug/l	98
95) Naphthalene	15.41	128	114072	30.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41905	20.794	ug/l	94

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

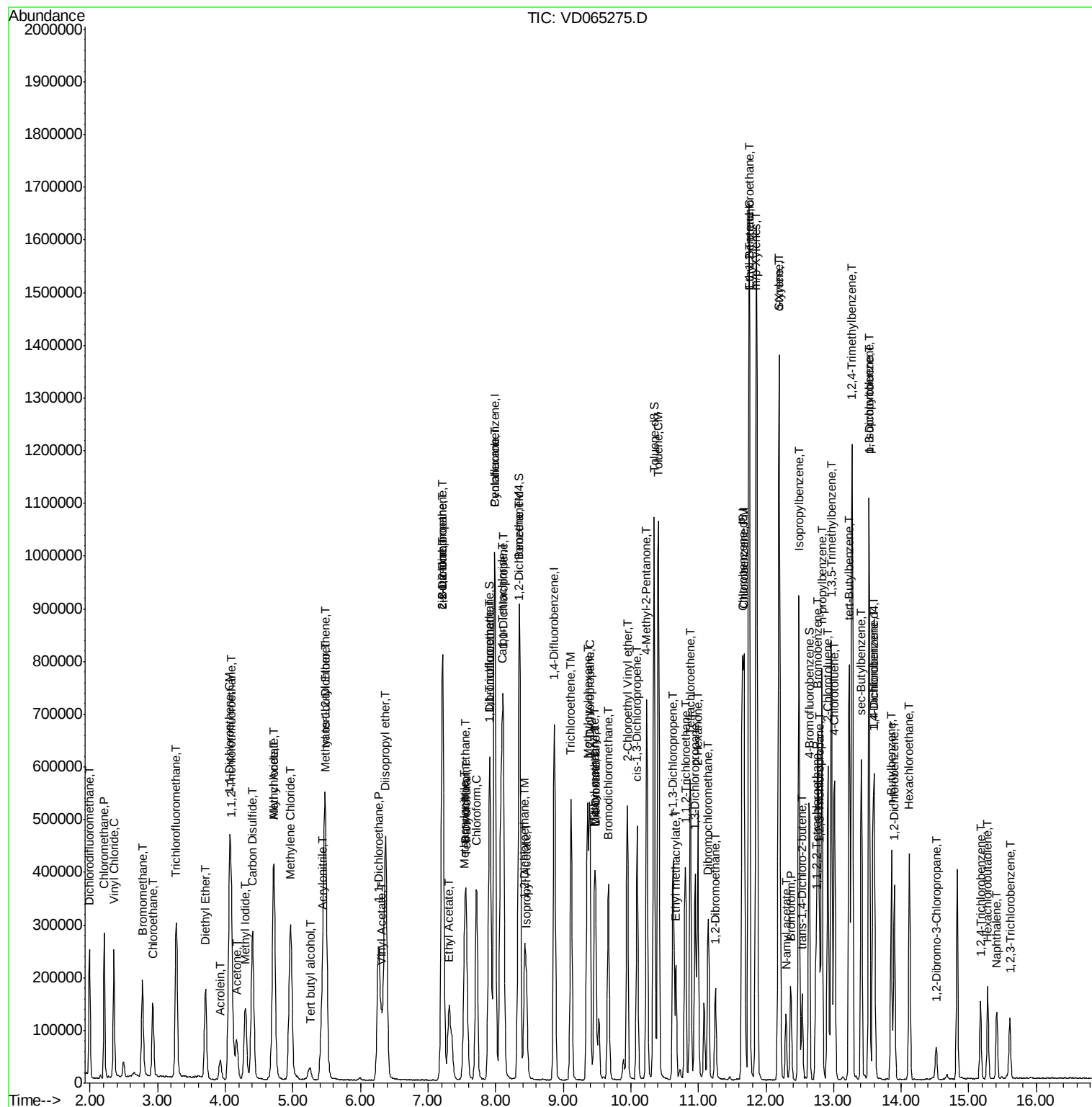
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022120\
Data File : VD065275.D
Acq On : 21 Feb 2020 15:05
Operator : VA/SY
Sample : L1635-03MSD
Misc : 6.19G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

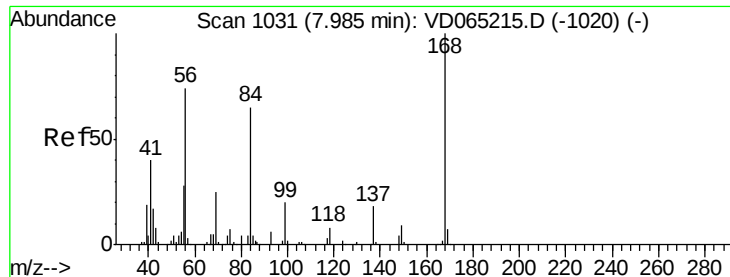
Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM

Quant Time: Feb 22 02:51:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:168 Resp: 410140

Ion Ratio Lower Upper

168 100

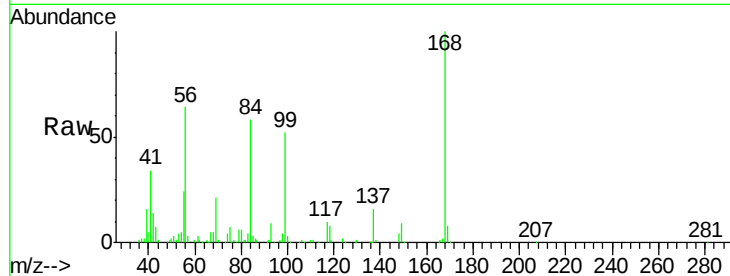
99 51.8 41.4 62.2

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:08:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

100000

50000

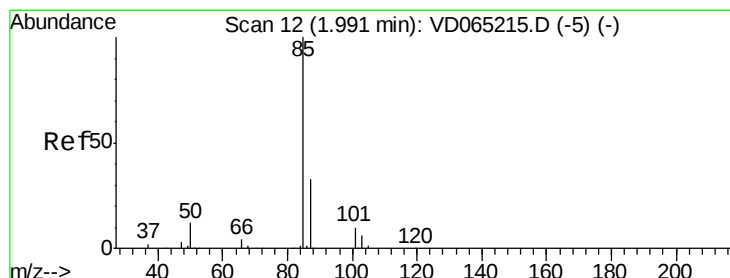
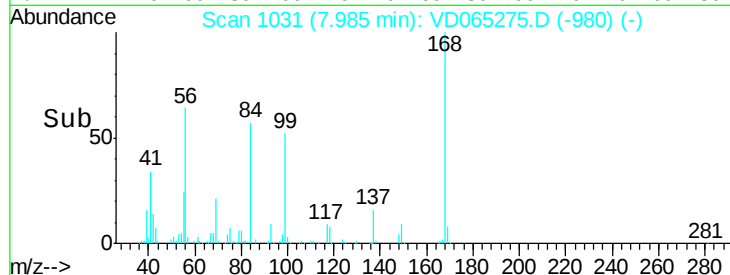
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.565 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065275.D

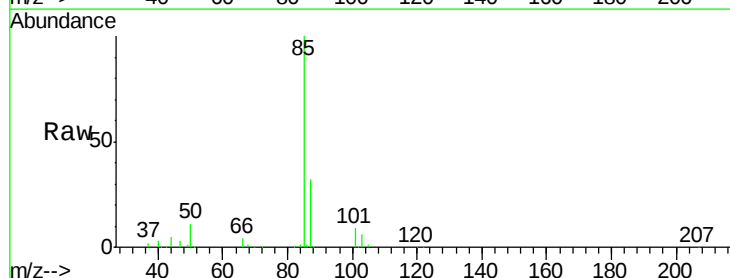
Acq: 21 Feb 2020 15:05

Tgt Ion: 85 Resp: 187705

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

100000

50000

0

1.90

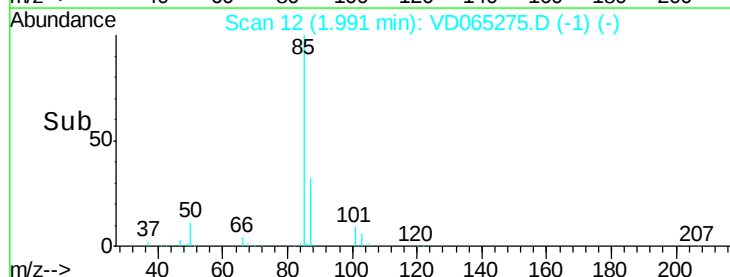
1.95

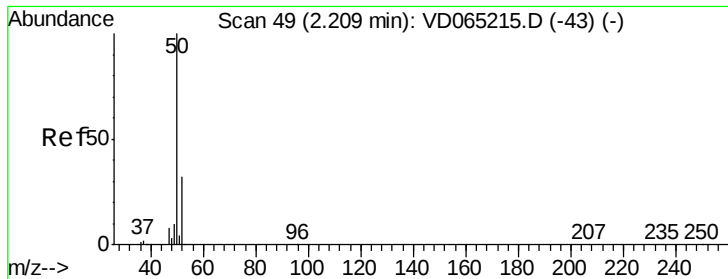
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 51.096 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 50 Resp: 223726

Ion Ratio Lower Upper

50 100

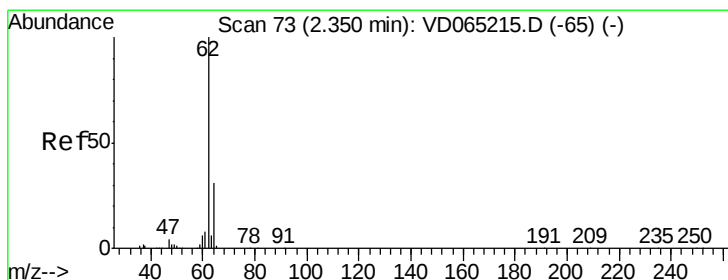
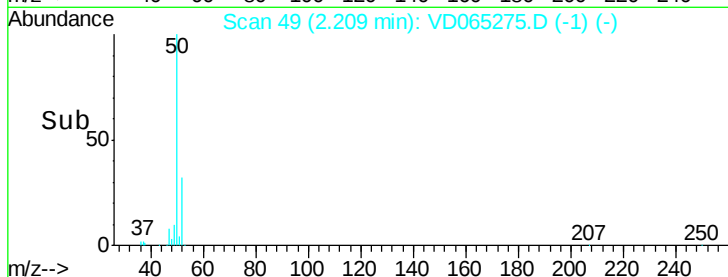
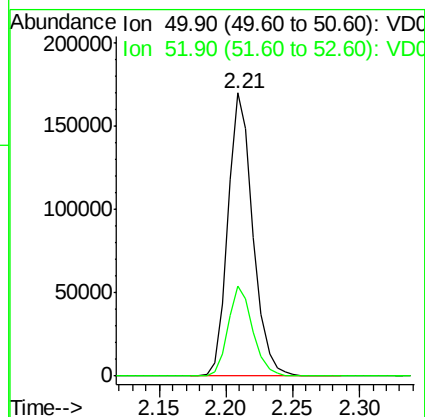
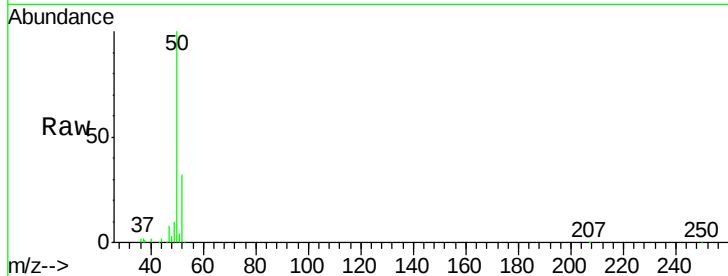
52 31.9 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:08:51 AM



#4

Vinyl Chloride

Concen: 50.809 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065275.D

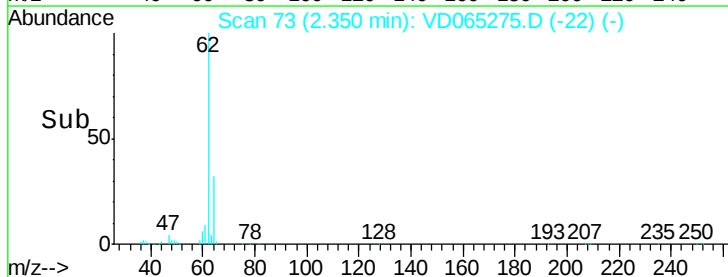
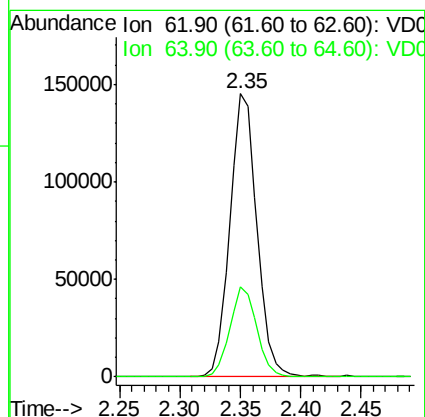
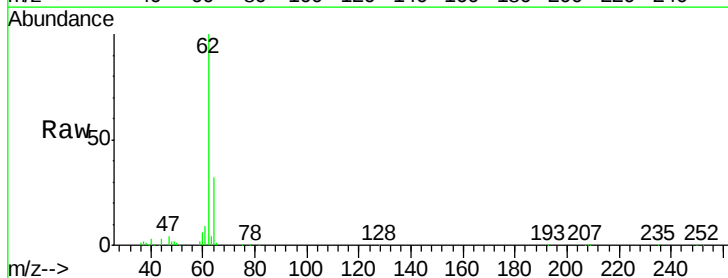
Acq: 21 Feb 2020 15:05

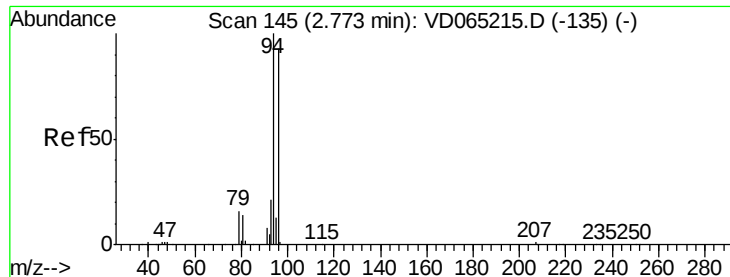
Tgt Ion: 62 Resp: 226219

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 50.635 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 94 Resp: 136310

Ion Ratio Lower Upper

94 100

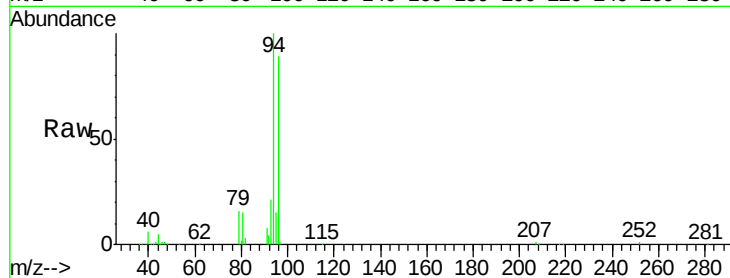
96 89.4 74.2 111.4

Manual Integrations

APPROVED

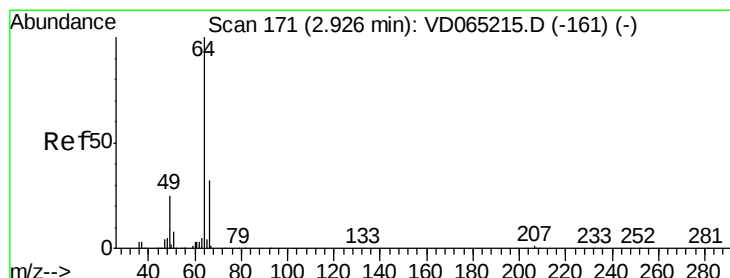
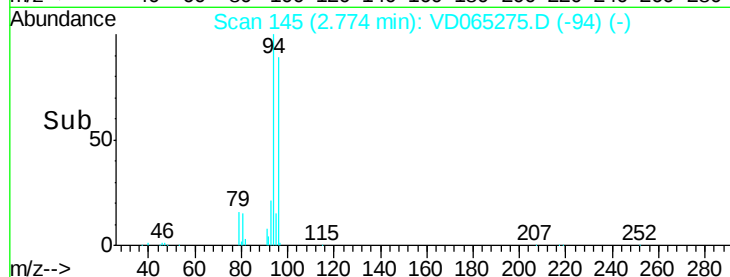
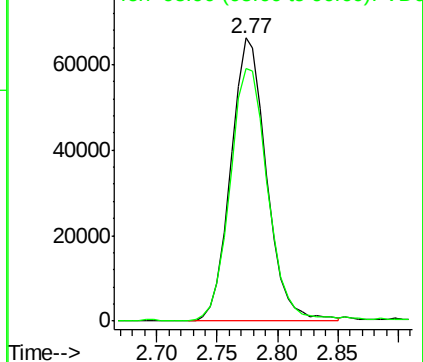
MMDadoda

2/24/2020 11:08:51 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.227 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065275.D

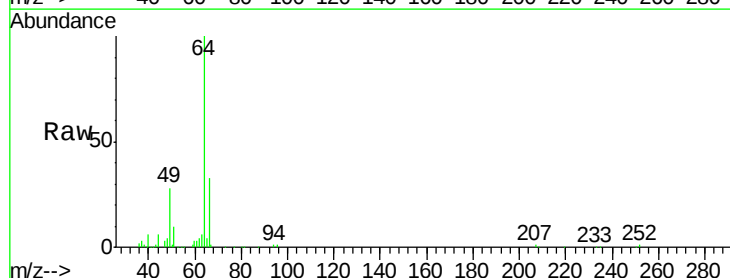
Acq: 21 Feb 2020 15:05

Tgt Ion: 64 Resp: 136504

Ion Ratio Lower Upper

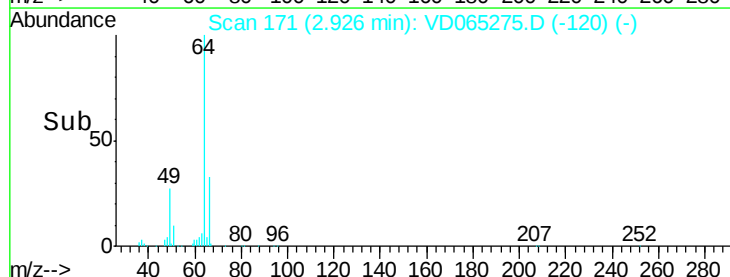
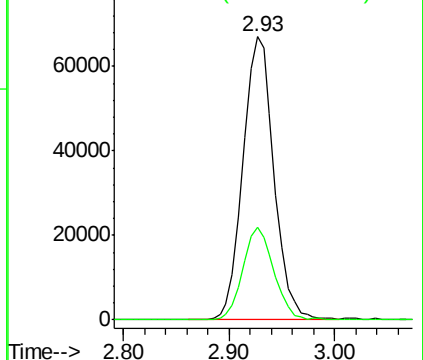
64 100

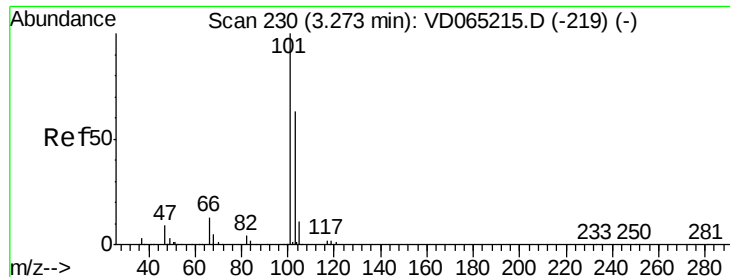
66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

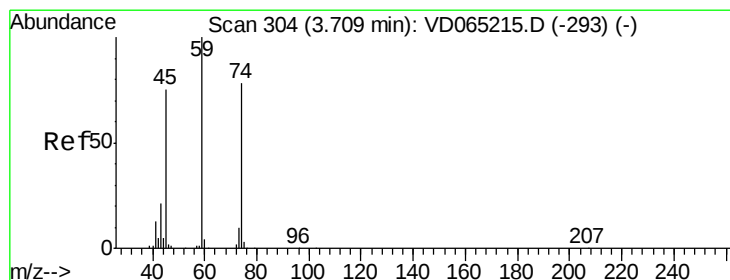
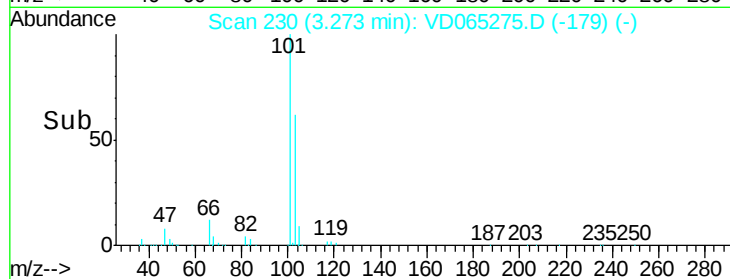
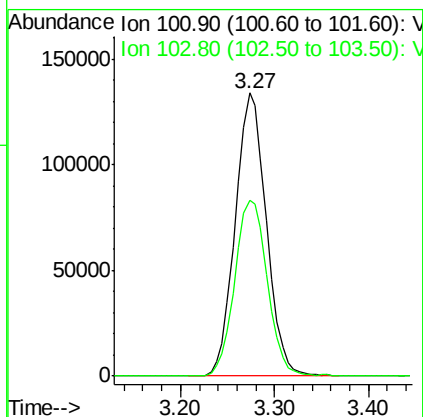
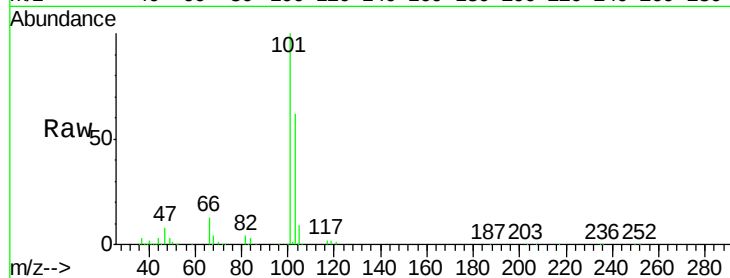
Trichlorofluoromethane
Concen: 48.147 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	50.7	76.1

Manual Integrations
APPROVED

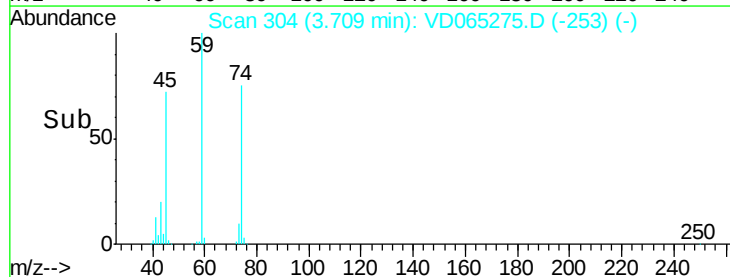
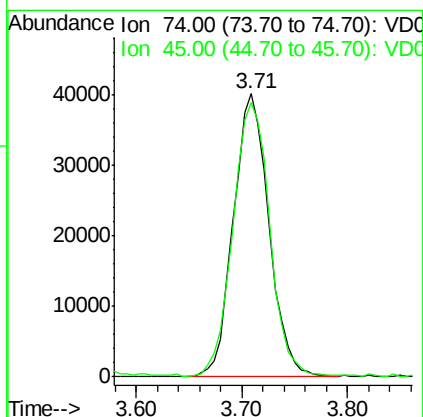
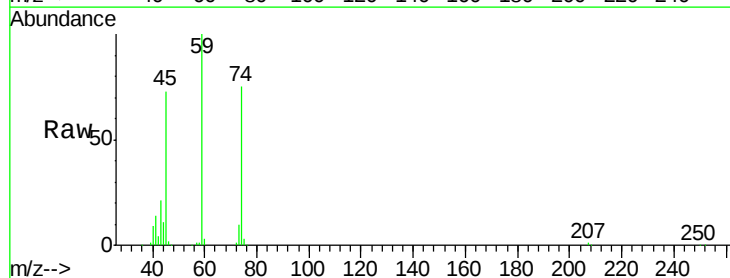
MMDadoda
2/24/2020 11:08:51 AM

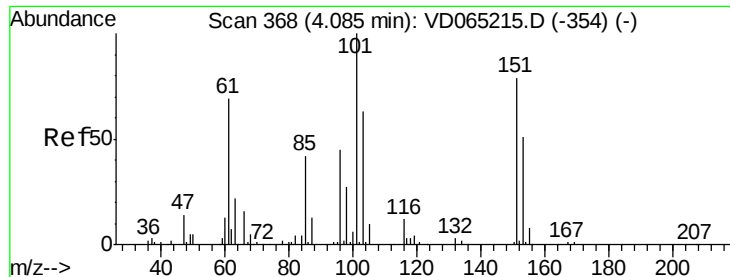


#8

Diethyl Ether
Concen: 48.705 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.632 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

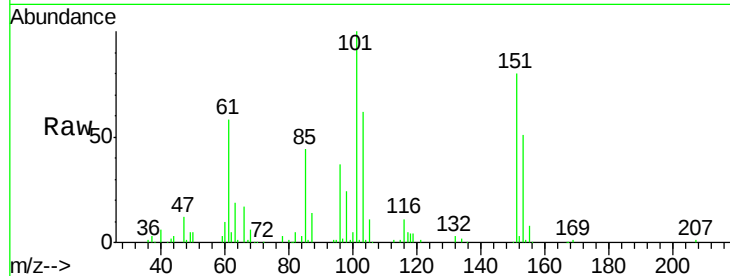
ClientSampleId :

DUNR-TS001-01MSD

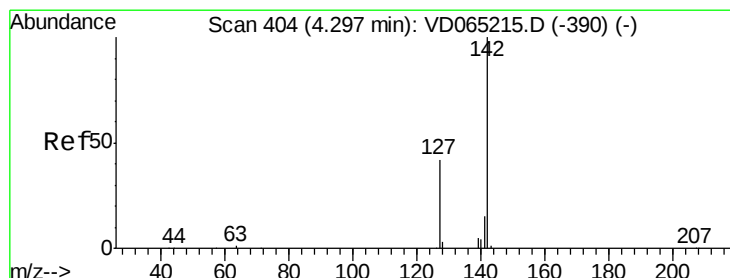
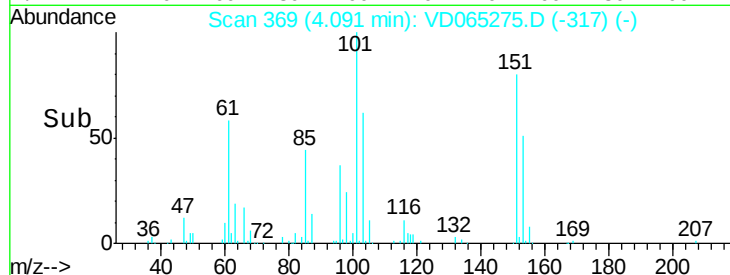
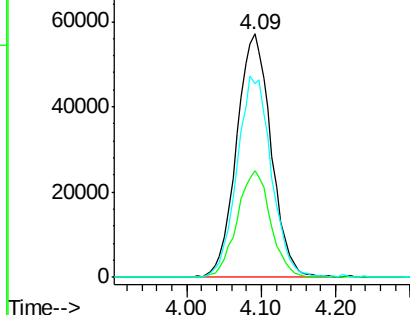
Tot Ion:	101	Resp:	183690
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	82.1	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.521 ug/l

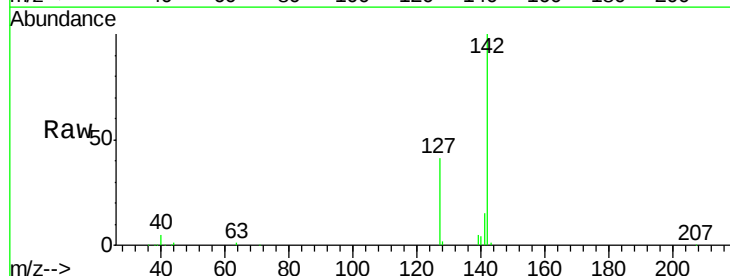
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

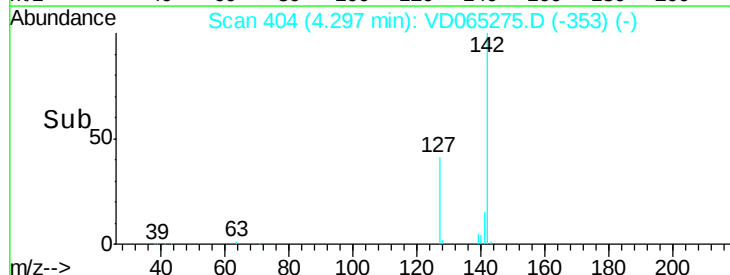
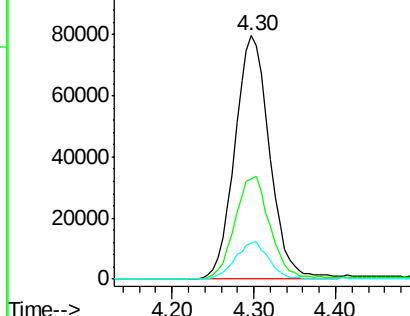
Lab File: VD065275.D

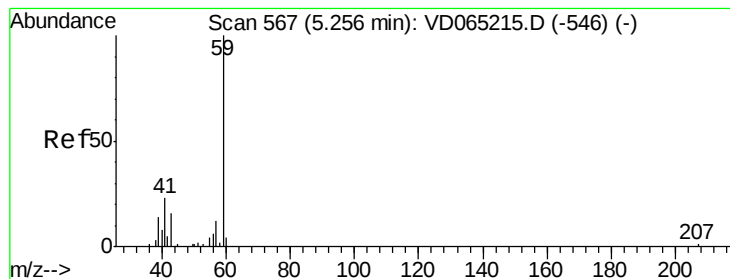
Acq: 21 Feb 2020 15:05

Tgt Ion:	142	Resp:	236233
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.8	50.8
141	14.7	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

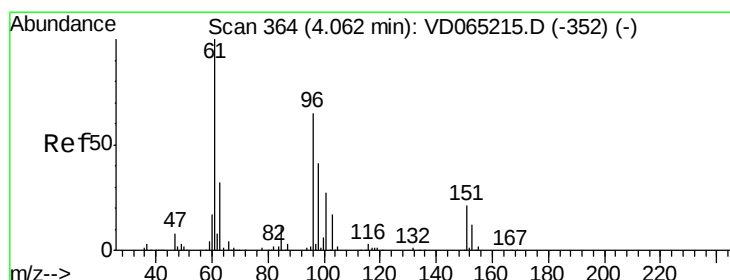
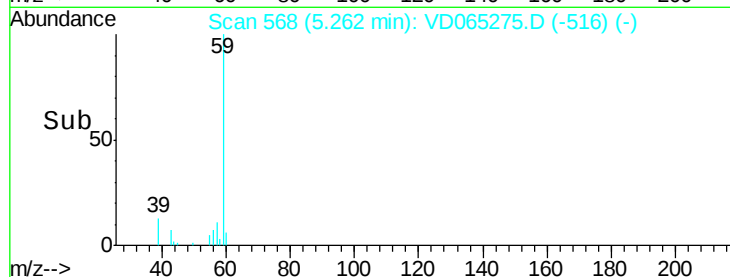
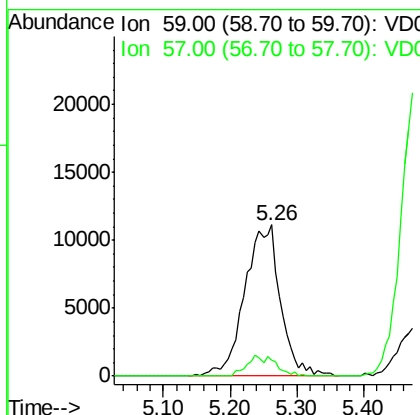
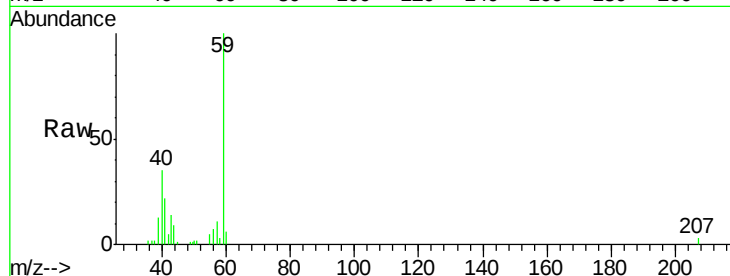
Tert butyl alcohol
Concen: 185.423 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

Manual Integrations
APPROVED

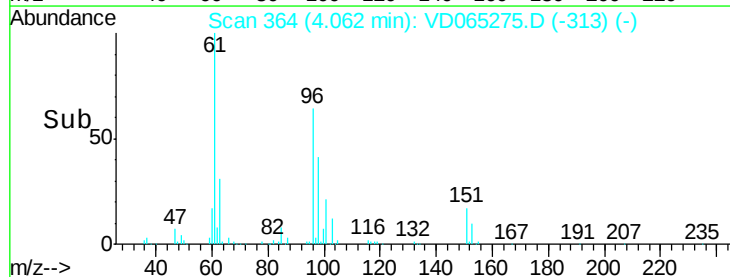
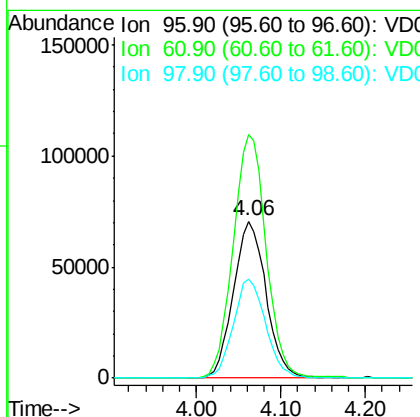
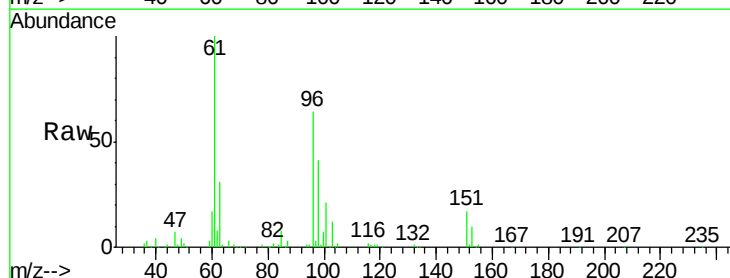
MMDadoda
2/24/2020 11:08:51 AM

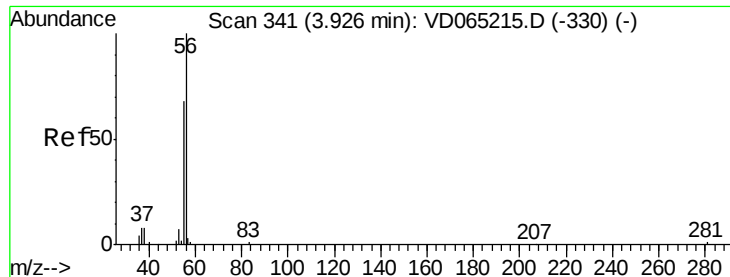


#12

1,1-Dichloroethene
Concen: 49.742 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	123.3	184.9
98	63.1	51.0	76.4





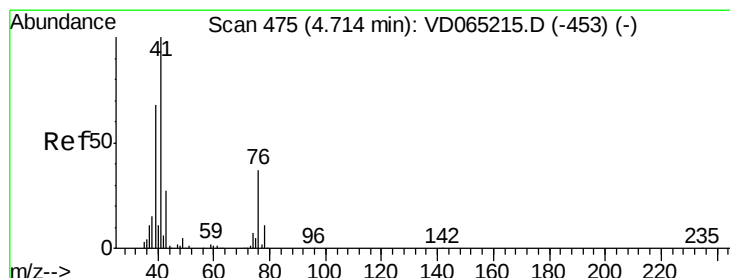
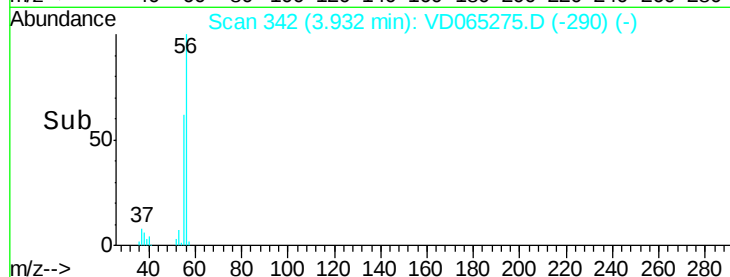
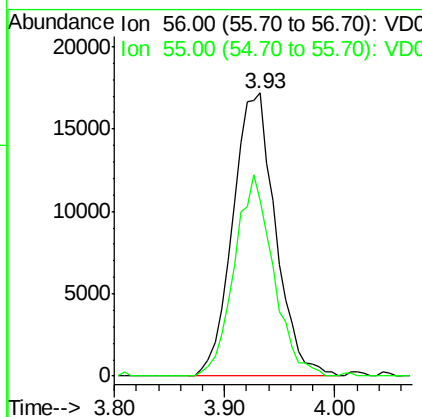
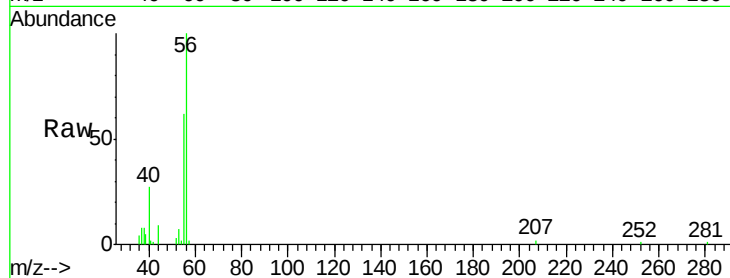
#13
Acrolein
Concen: 162.275 ug/l
RT: 3.93 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	64.9	56.6	85.0

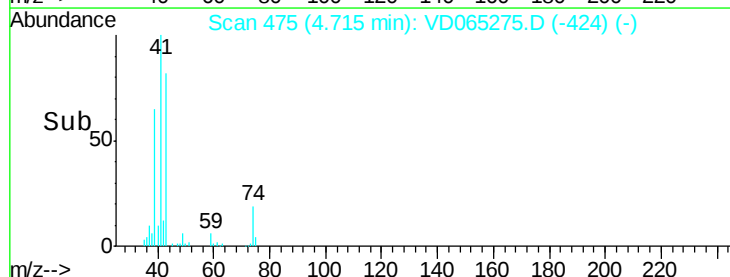
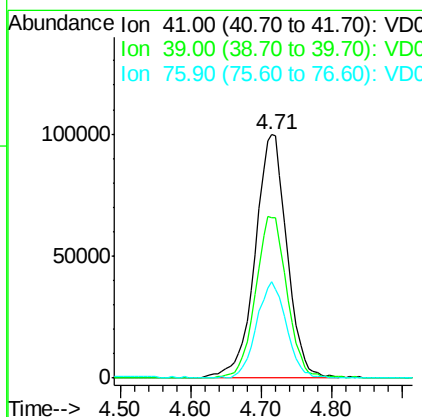
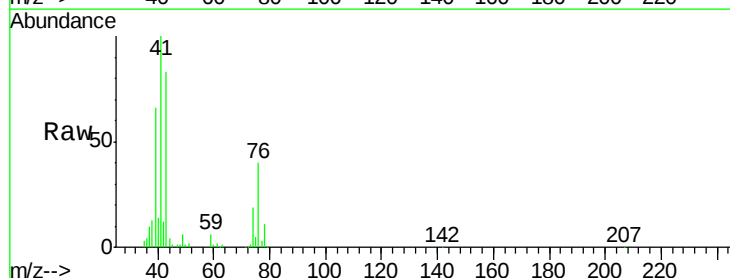
Manual Integrations
APPROVED

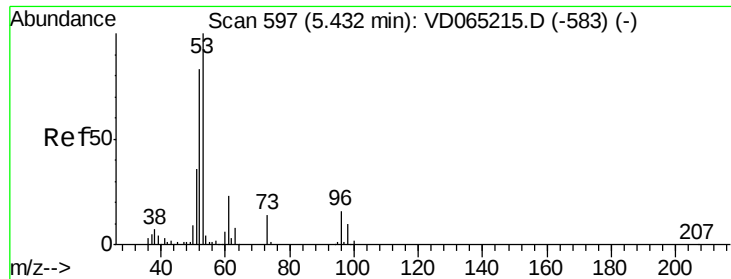
MMDadoda
2/24/2020 11:08:51 AM



#14
Allyl chloride
Concen: 51.075 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.9	53.8	80.6
76	37.2	28.7	43.1





#15

Acrylonitrile

Concen: 218.747 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

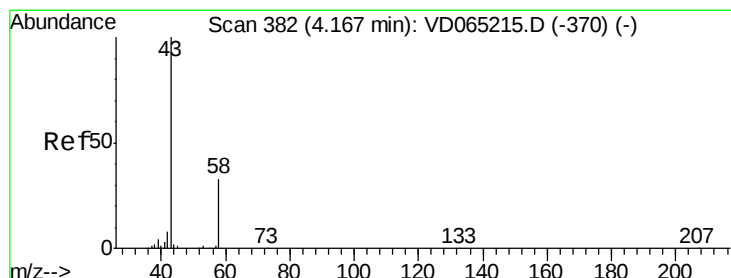
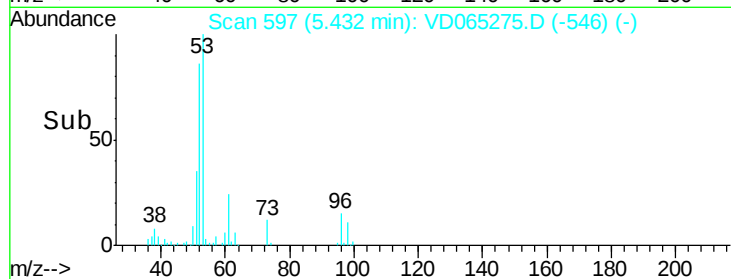
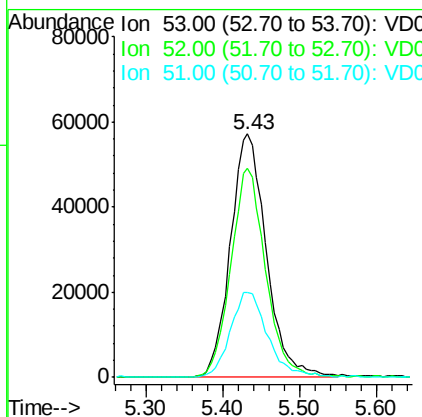
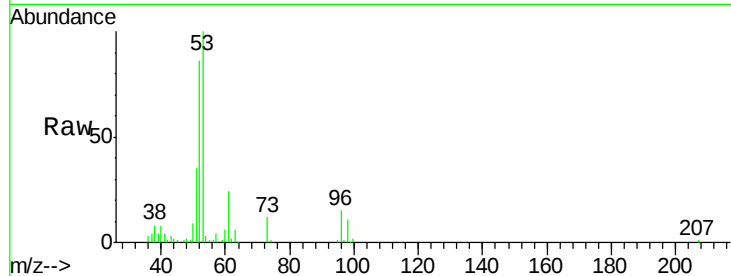
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	53	Resp:	186345
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.4	98.2
51	36.6	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#16

Acetone

Concen: 141.715 ug/l

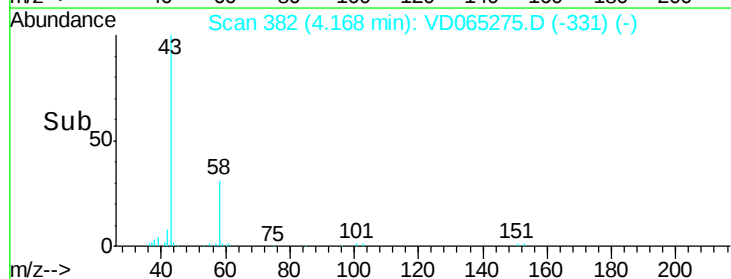
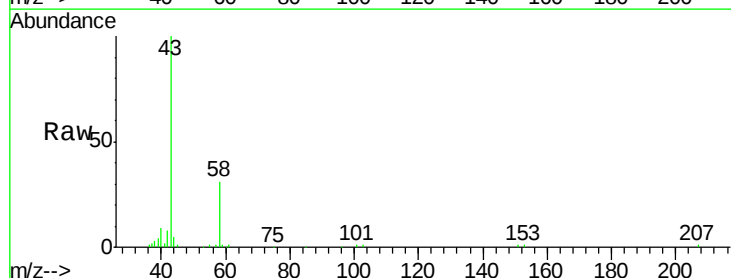
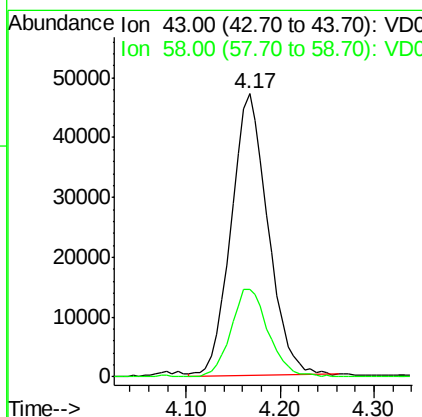
RT: 4.17 min Scan# 382

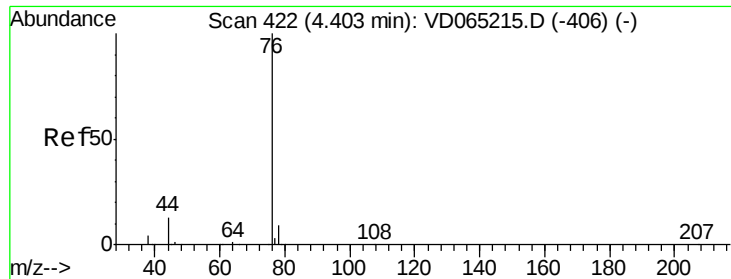
Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion:	43	Resp:	127817
Ion Ratio	Lower	Upper	
43	100		
58	31.1	26.2	39.2





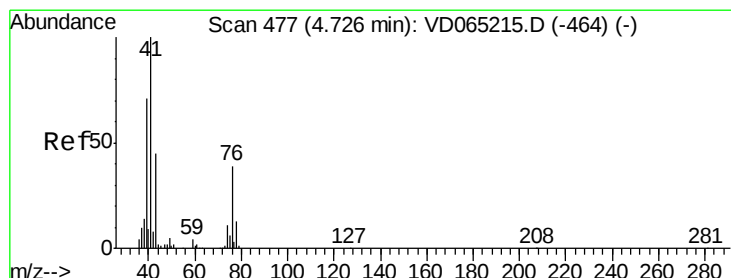
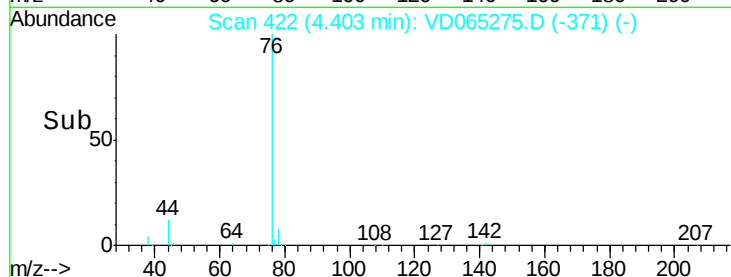
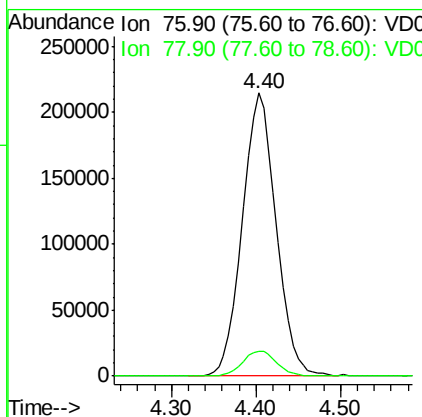
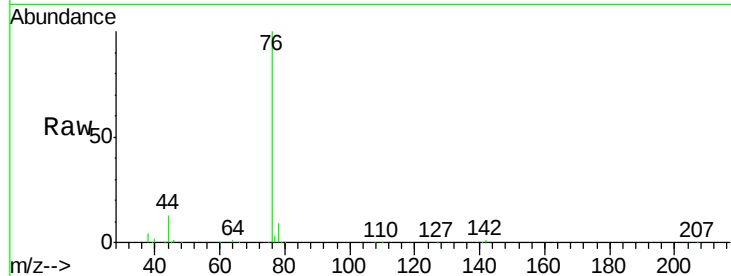
#17
Carbon Disulfide
Concen: 46.813 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

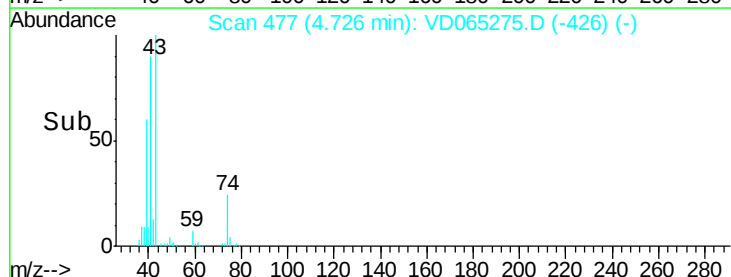
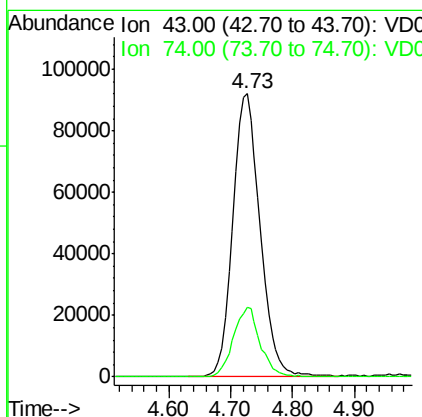
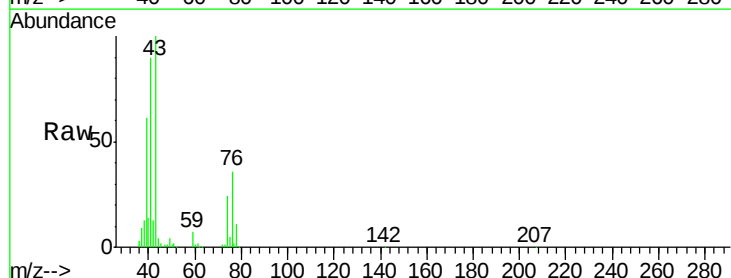
Manual Integrations
APPROVED

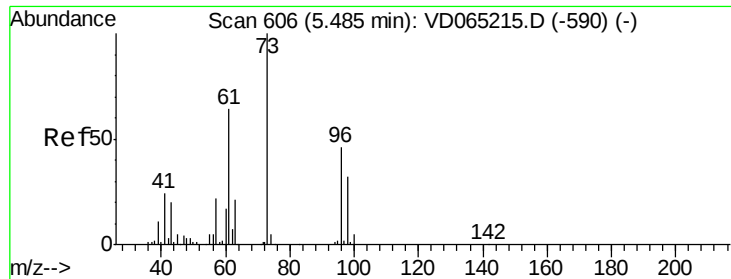
MMDadoda
2/24/2020 11:08:51 AM



#18
Methyl Acetate
Concen: 139.824 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





#19

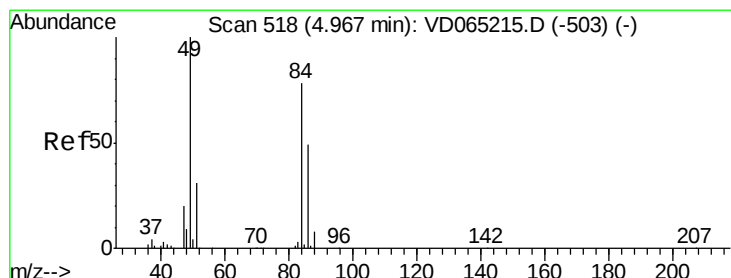
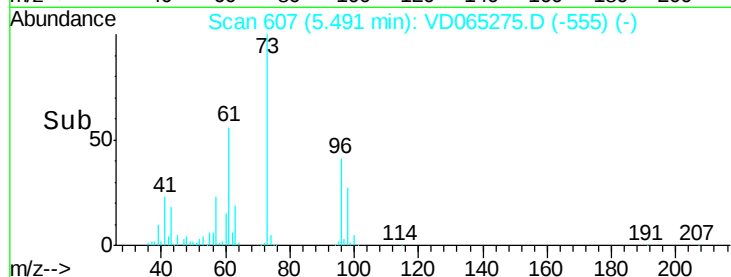
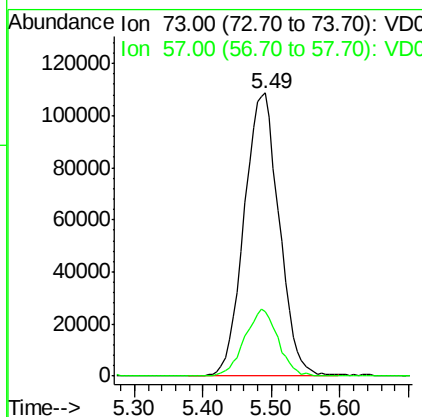
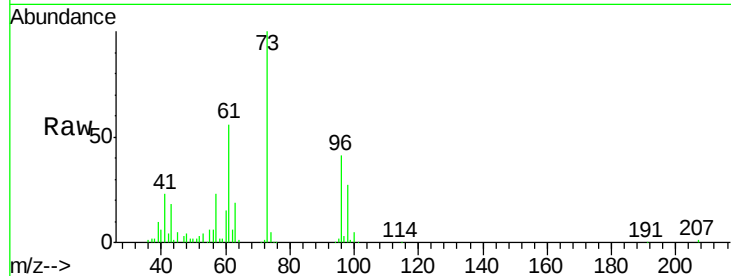
Methyl tert-butyl Ether
 Concen: 48.772 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion: 73 Resp: 386752
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.3 25.9

Manual Integrations
 APPROVED

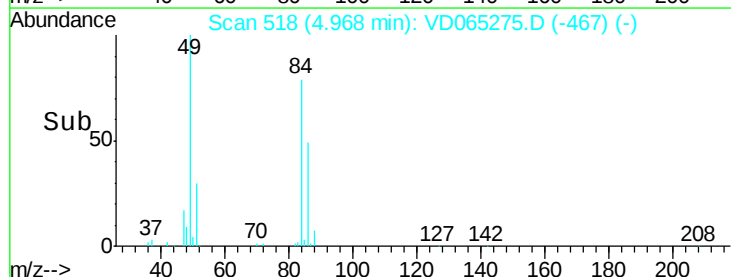
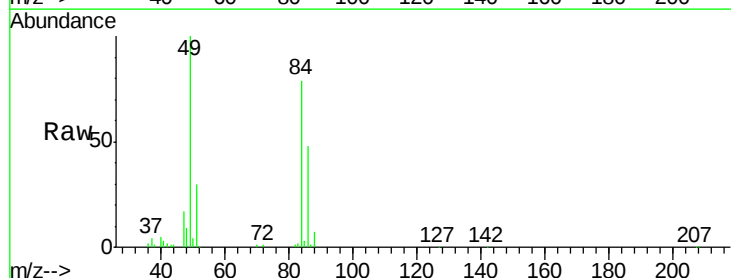
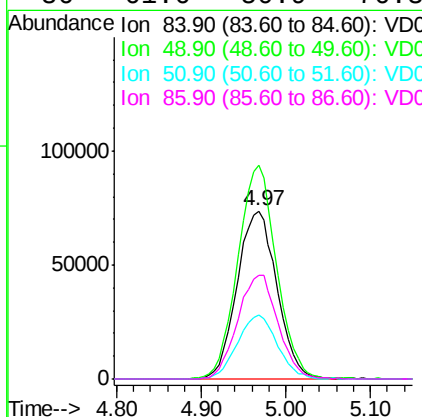
MMDadoda
 2/24/2020 11:08:51 AM

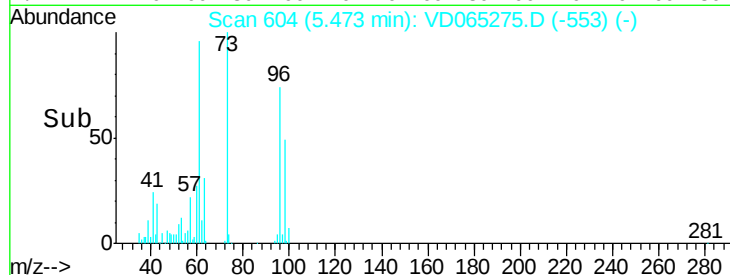
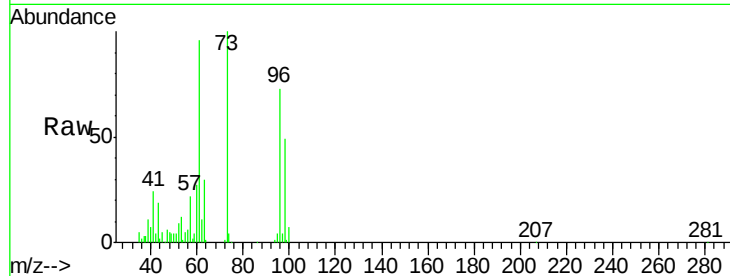
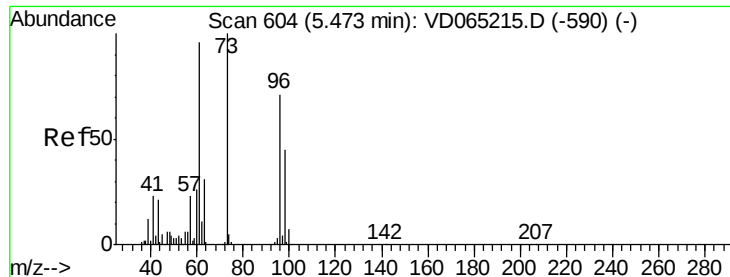


#20

Methylene Chloride
 Concen: 60.903 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion: 84 Resp: 240504
 Ion Ratio Lower Upper
 84 100
 49 127.1 103.1 154.7
 51 38.3 31.7 47.5
 86 61.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.204 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tot Ion:	96	Resp:	212701
Ion	Ratio	Lower	Upper
96	100		
61	130.4	108.3	162.5
98	66.7	50.7	76.1

Instrument :

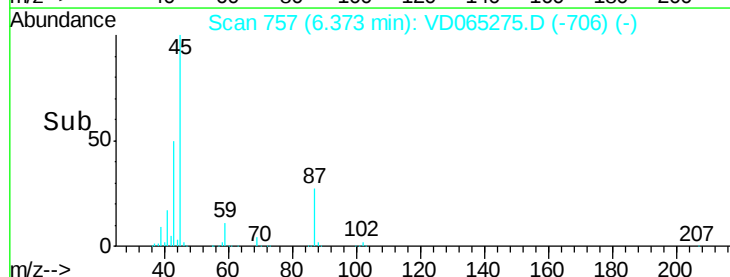
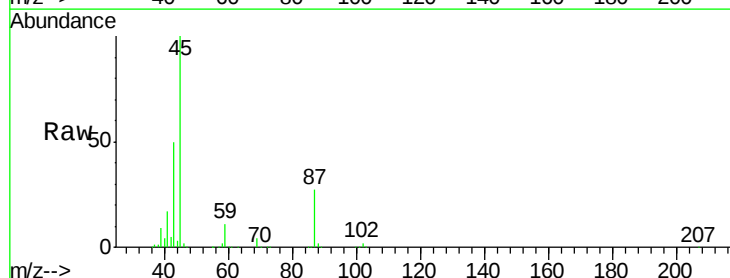
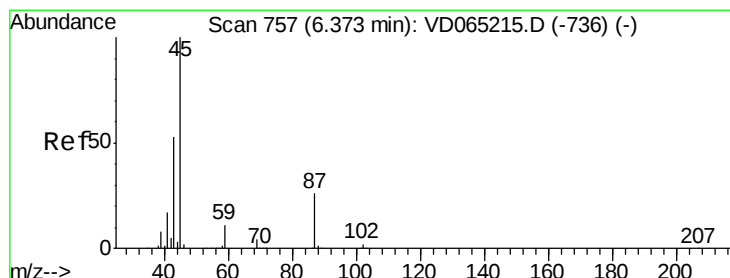
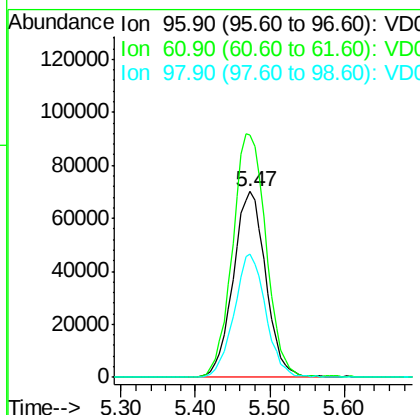
MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#22

Diisopropyl ether

Concen: 51.145 ug/l

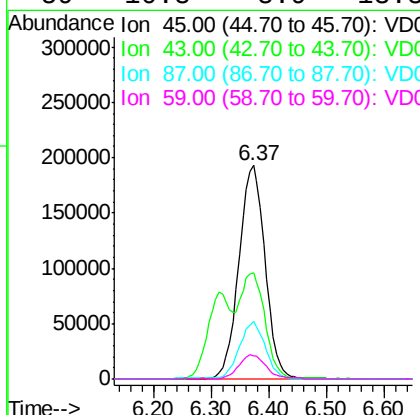
RT: 6.37 min Scan# 757

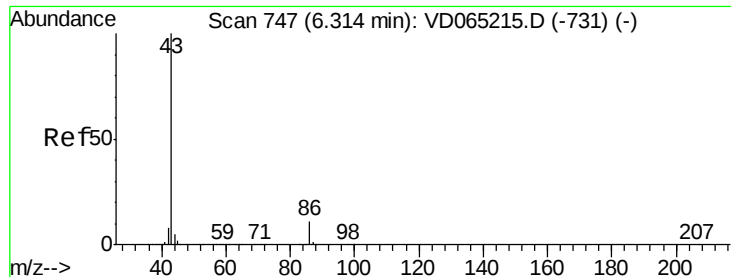
Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion:	45	Resp:	608838
Ion	Ratio	Lower	Upper
45	100		
43	49.6	42.6	64.0
87	27.2	21.2	31.8
59	10.8	8.9	13.3





#23

Vinyl Acetate

Concen: 36.578 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 43 Resp: 240052

Ion Ratio Lower Upper

43 100

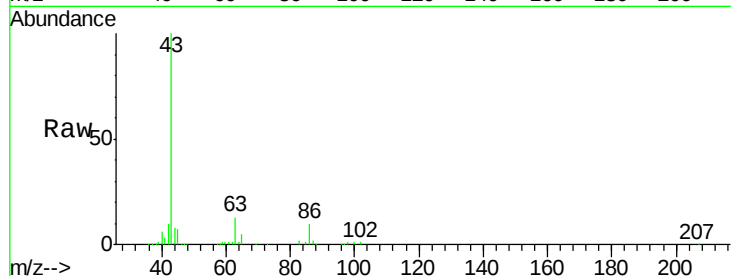
86 9.8 8.6 12.8

Manual Integrations

APPROVED

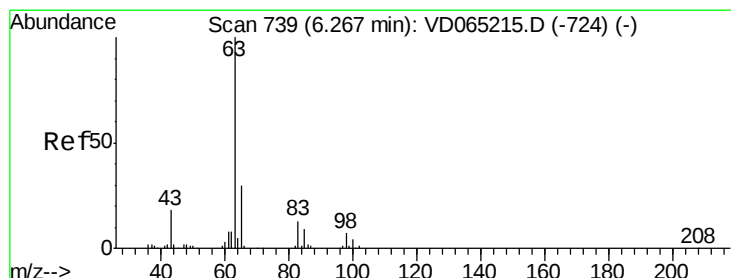
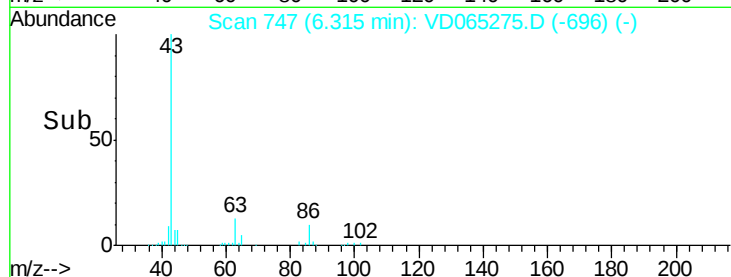
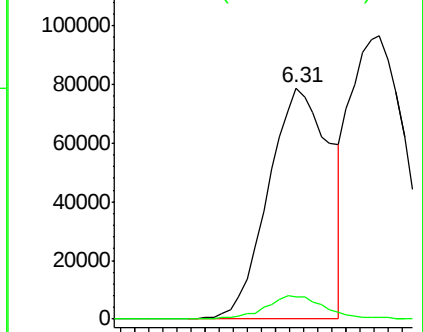
MMDadoda

2/24/2020 11:08:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.114 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

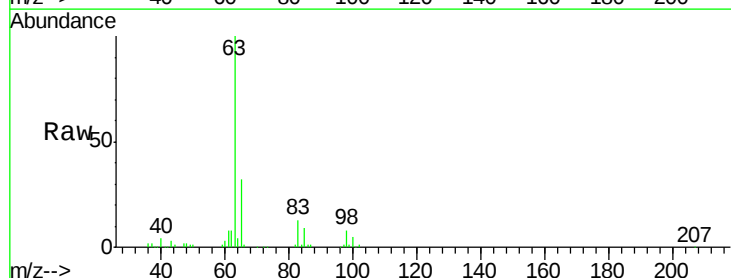
Tgt Ion: 63 Resp: 370029

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

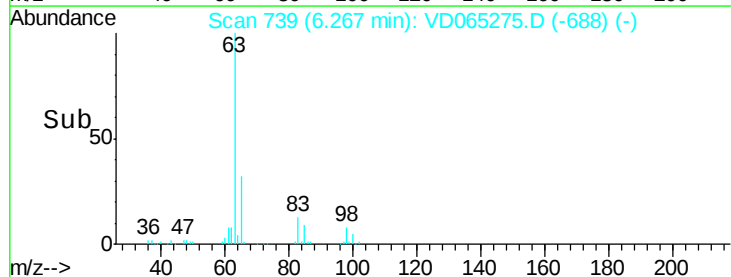
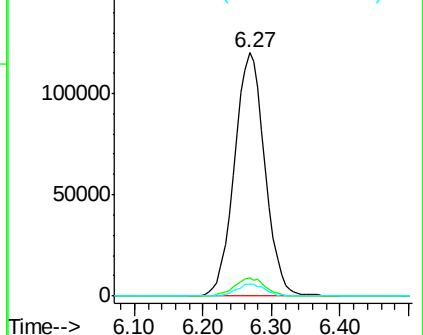
100 4.8 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 183.884 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 43 Resp: 209838

Ion Ratio Lower Upper

43 100

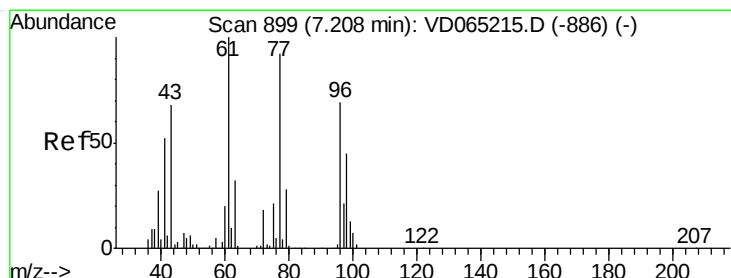
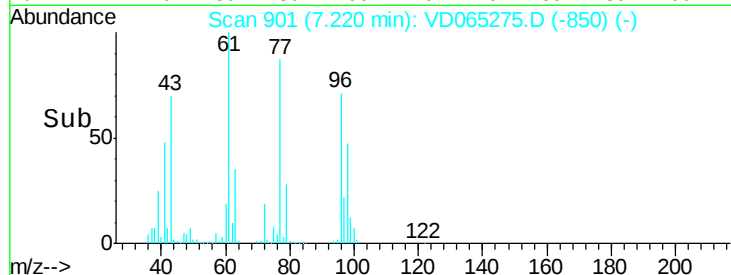
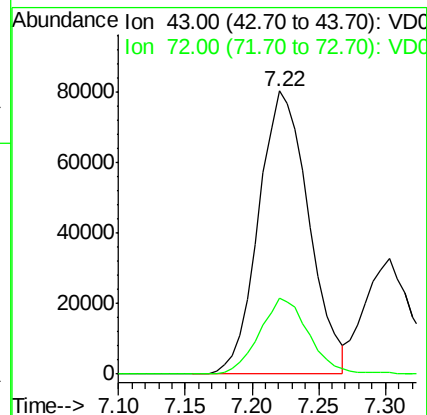
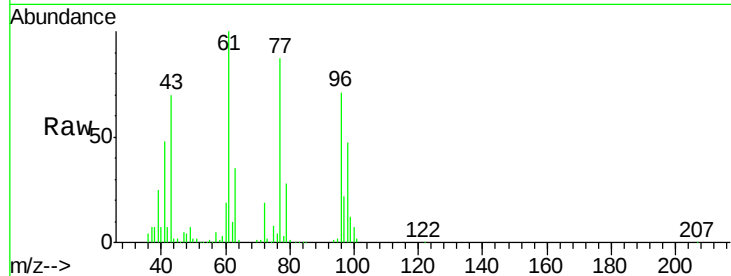
72 26.7 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:08:51 AM



#26

2,2-Dichloropropane

Concen: 48.831 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065275.D

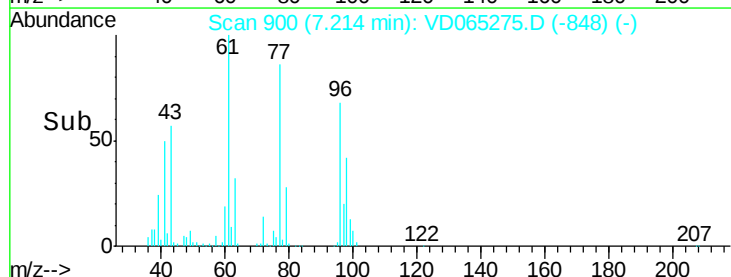
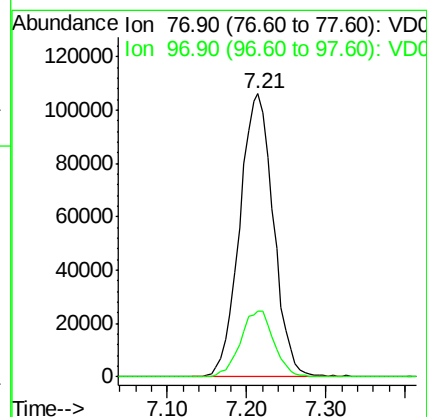
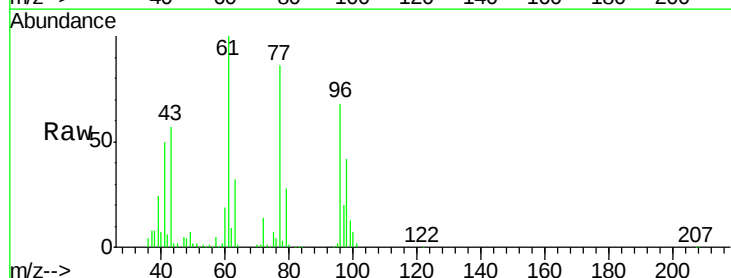
Acq: 21 Feb 2020 15:05

Tgt Ion: 77 Resp: 312831

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1





#27

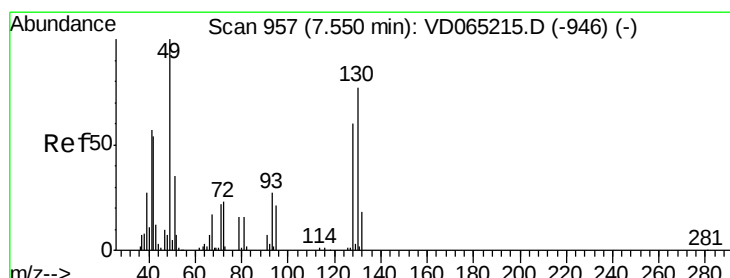
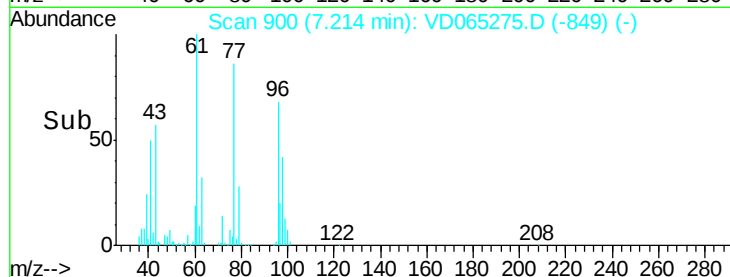
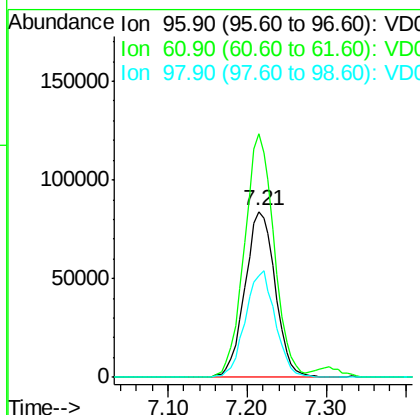
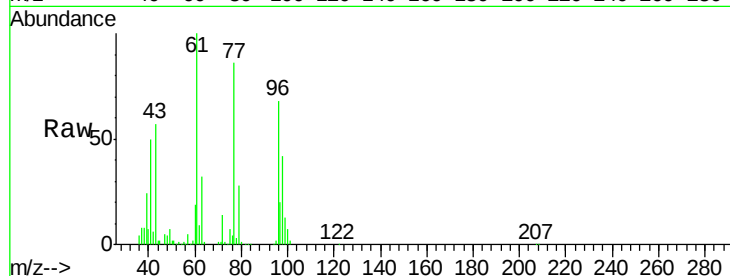
cis-1,2-Dichloroethene
Concen: 48.884 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.5	0.0	286.0	
98	63.5	0.0	127.8	

Manual Integrations
APPROVED

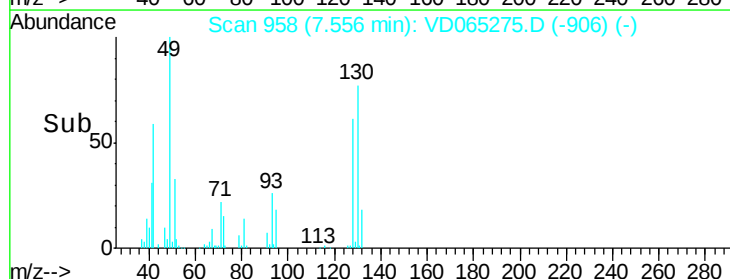
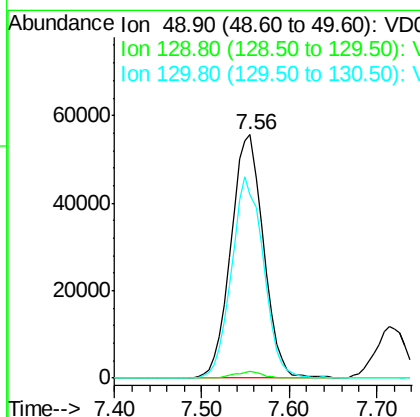
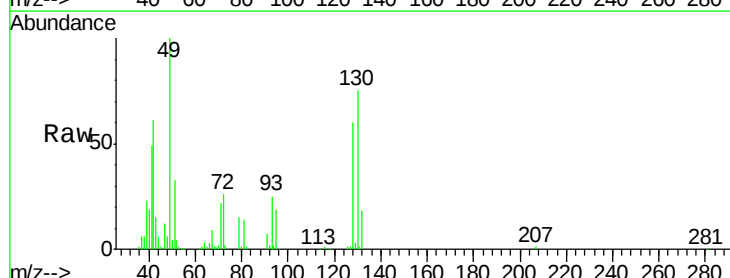
MMDadoda
2/24/2020 11:08:51 AM

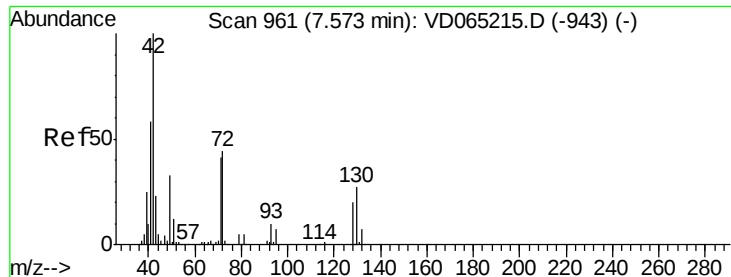


#28

Bromochloromethane
Concen: 51.234 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	80.8	64.7	97.1	





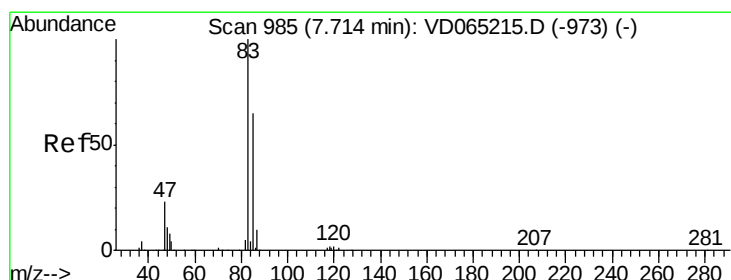
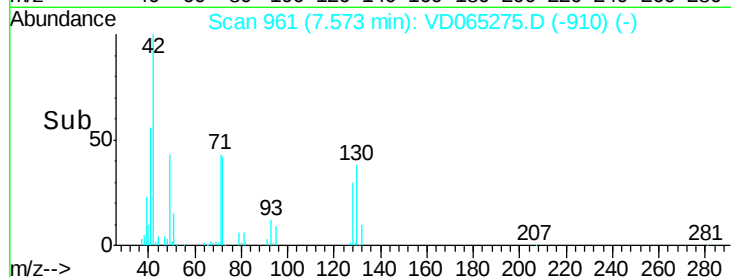
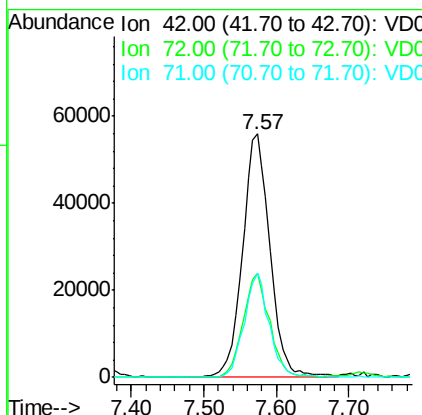
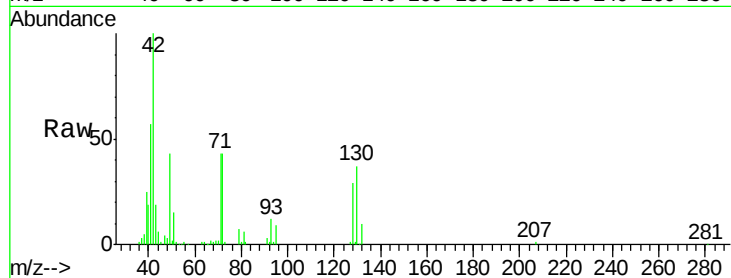
#29
Tetrahydrofuran
Concen: 219.378 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.7	50.5
71	39.0	31.4	47.2

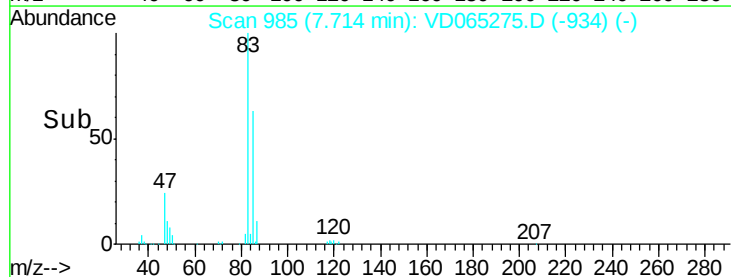
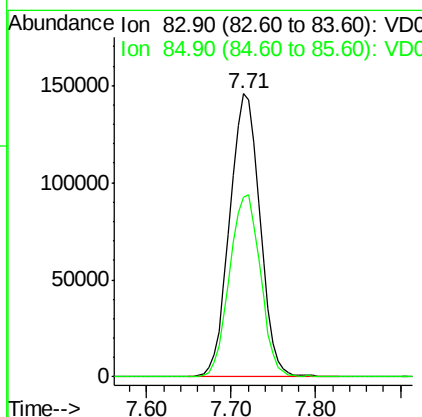
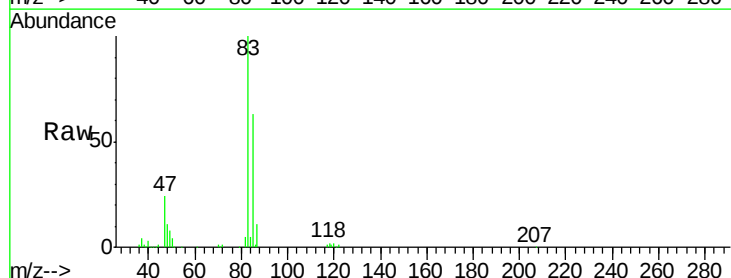
Manual Integrations
APPROVED

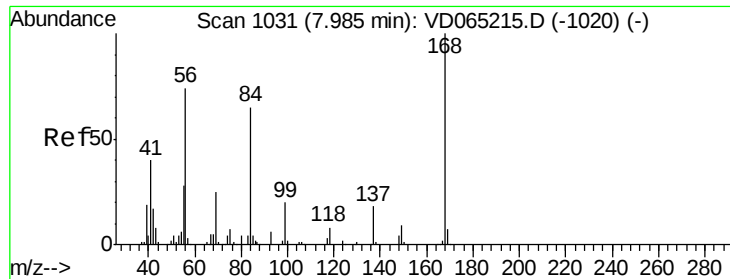
MMDadoda
2/24/2020 11:08:51 AM



#30
Chloroform
Concen: 48.642 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5





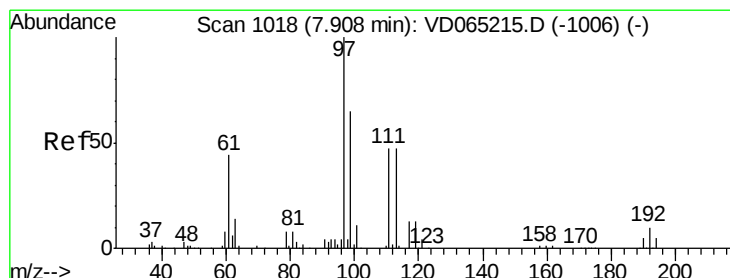
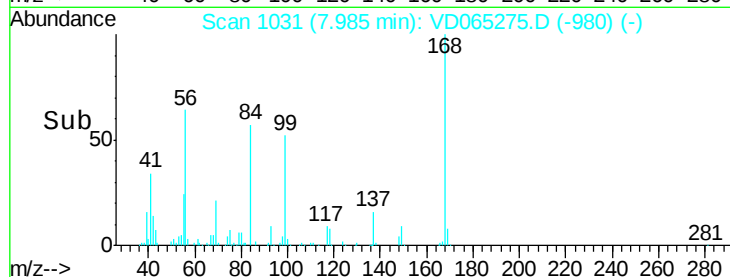
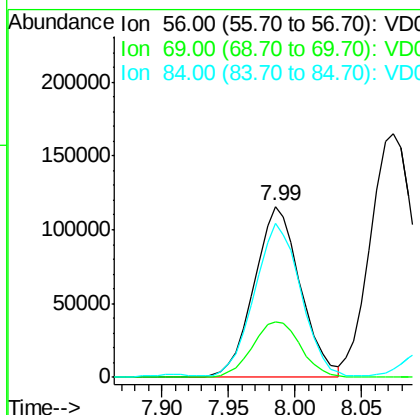
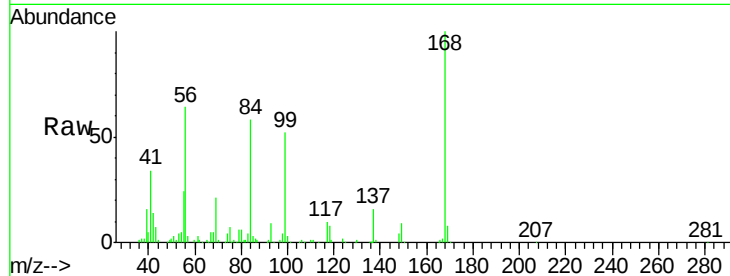
#31
Cyclohexane
Concen: 38.403 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	27.4	41.0
84	89.2	71.1	106.7

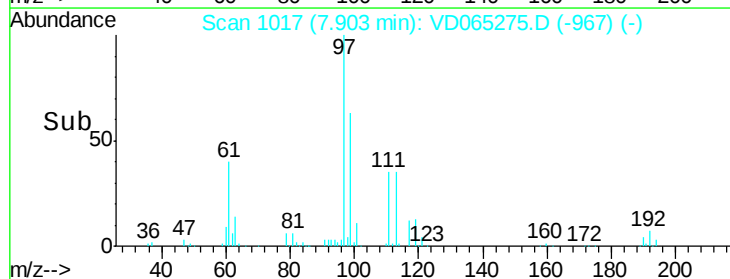
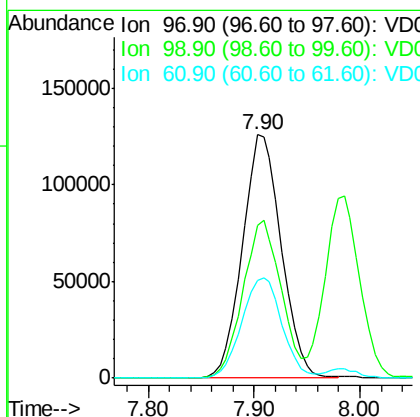
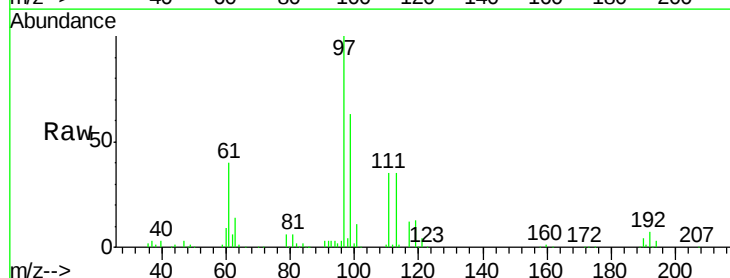
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#32
1,1,1-Trichloroethane
Concen: 48.238 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	43.0	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 53.127 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 65 Resp: 196019

Ion Ratio Lower Upper

65 100

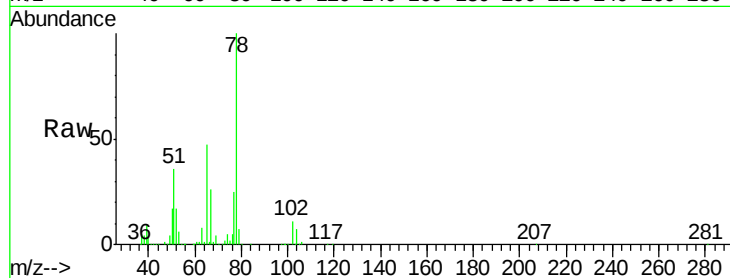
67 54.4 0.0 106.8

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:08:51 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

60000

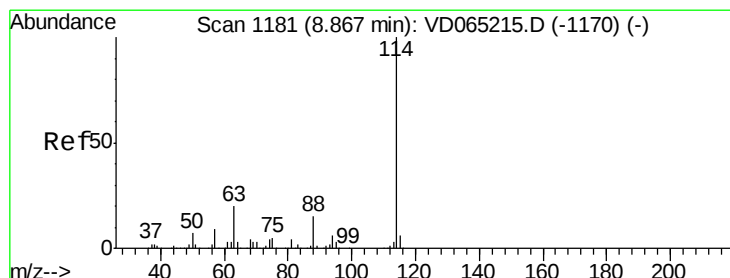
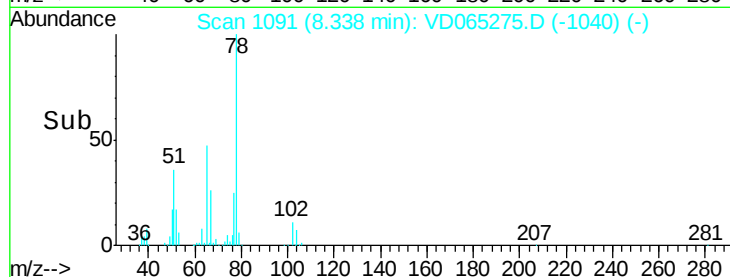
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

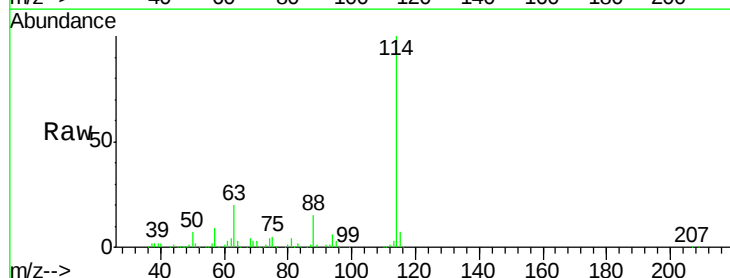
Tgt Ion:114 Resp: 594722

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 14.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

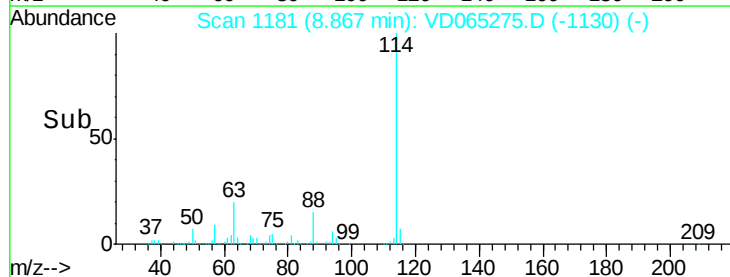
200000

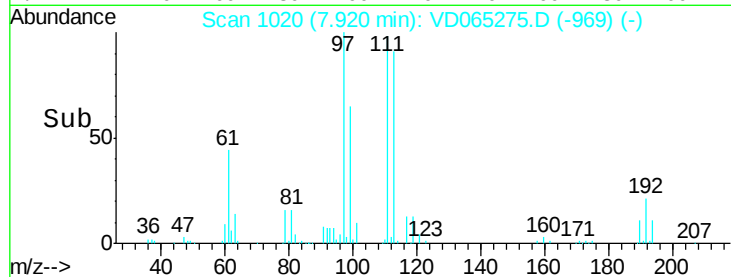
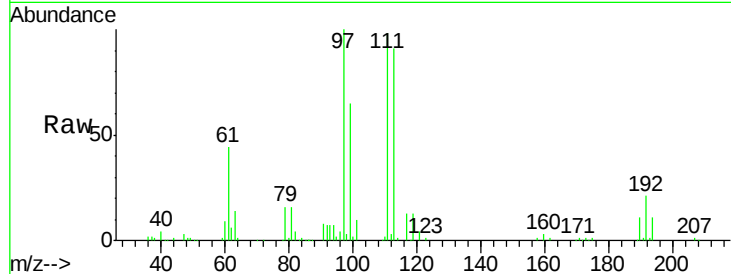
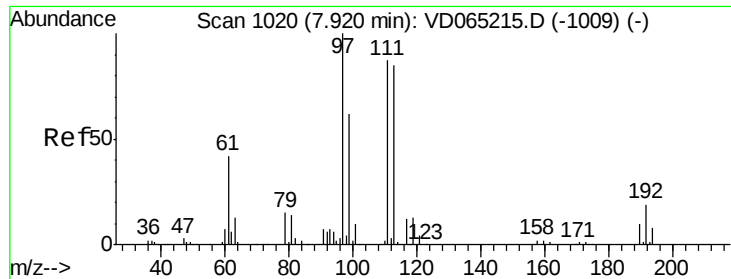
100000

0

8.80 8.90 9.00

Time-->





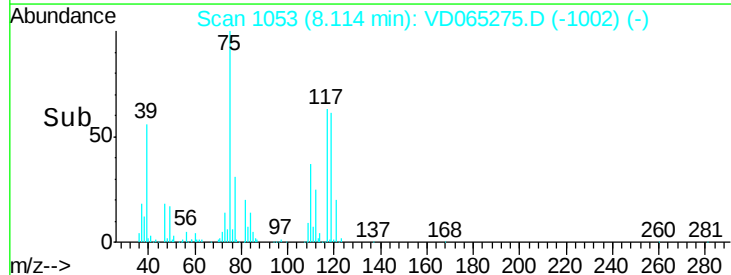
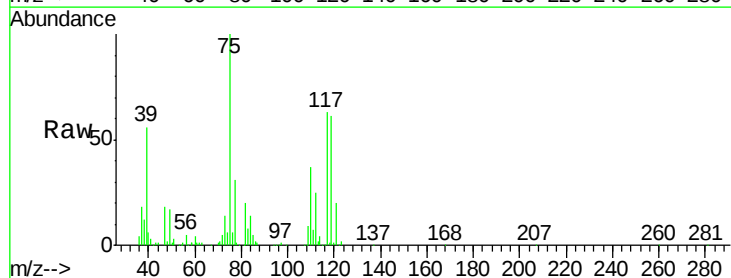
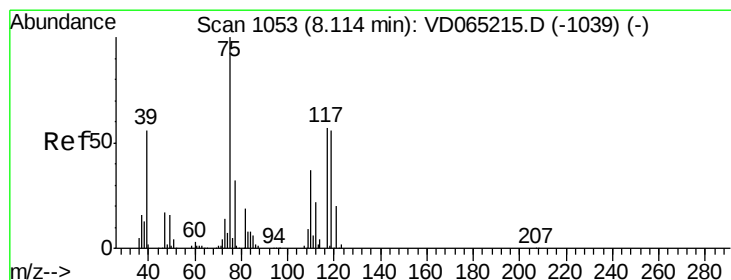
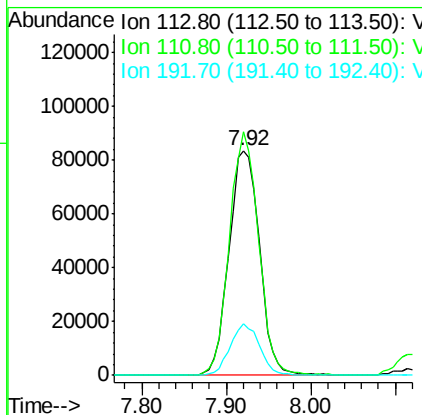
#35
Dibromofluoromethane
Concen: 57.497 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208498		
111	102.8	82.9	124.3	
192	22.0	17.3	25.9	

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

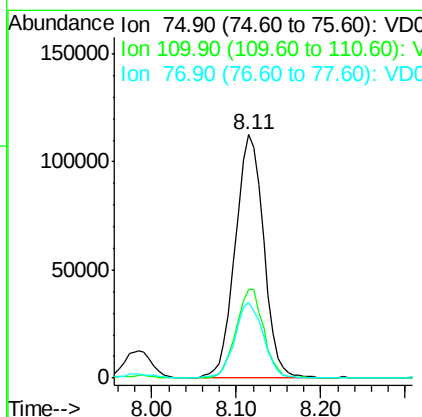
Manual Integrations
APPROVED

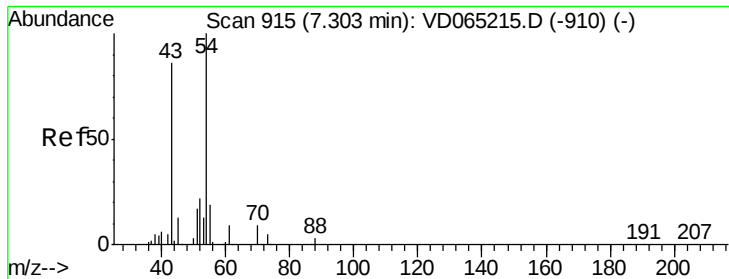
MMDadoda
2/24/2020 11:08:51 AM



#36
1,1-Dichloropropene
Concen: 45.025 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	260546		
110	35.7	17.9	53.7	
77	31.1	25.1	37.7	





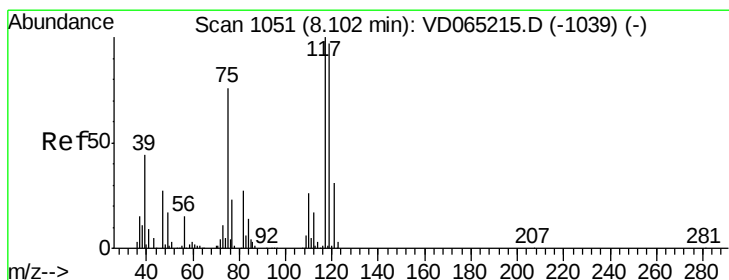
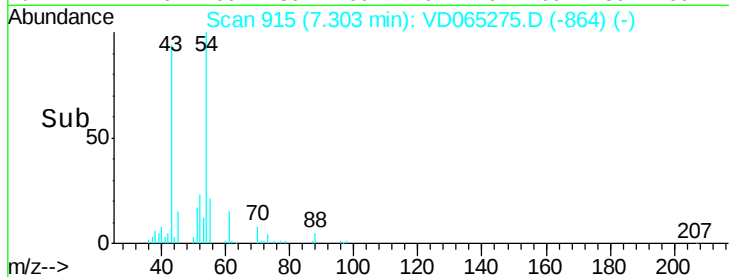
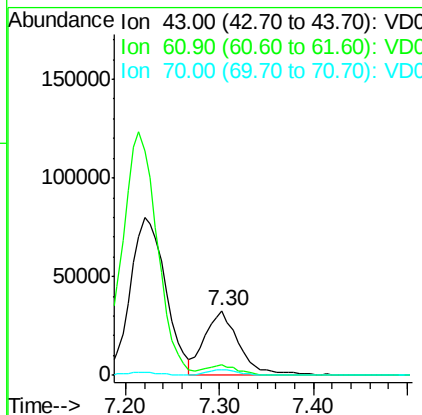
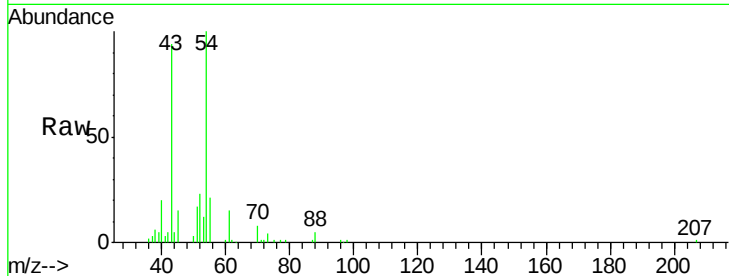
#37
Ethyl Acetate
Concen: 34.211 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.2	16.8
70	8.9	8.2	12.2

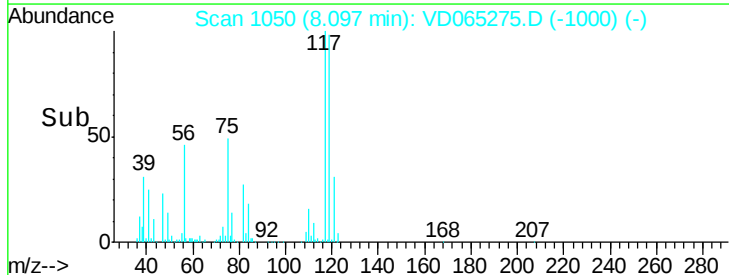
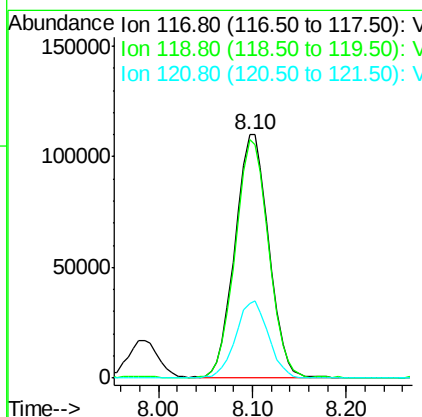
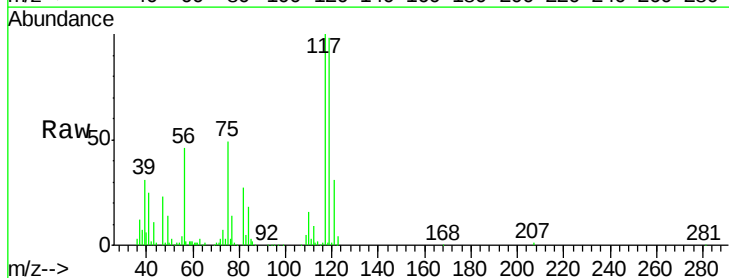
Manual Integrations
APPROVED

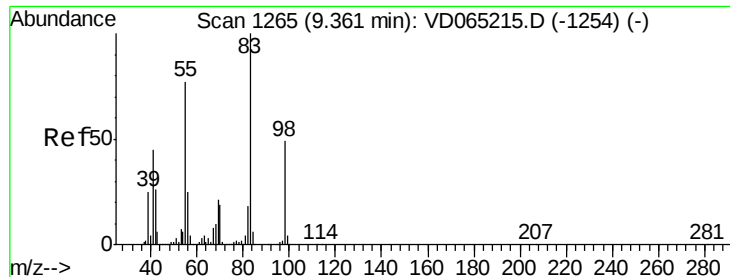
MMDadoda
2/24/2020 11:08:51 AM



#38
Carbon Tetrachloride
Concen: 46.515 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.6	116.4
121	30.7	24.8	37.2





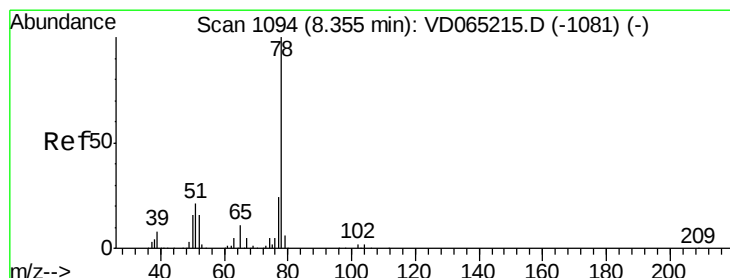
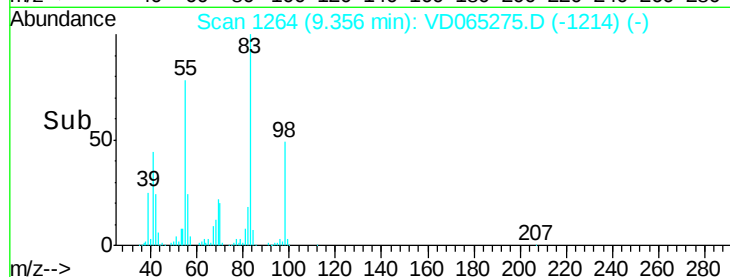
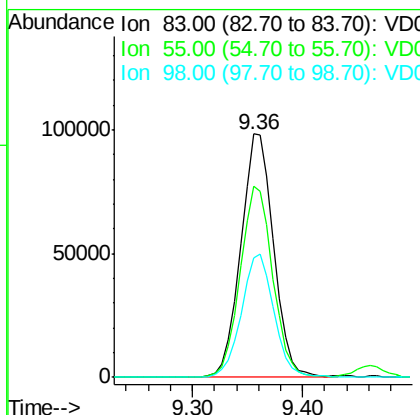
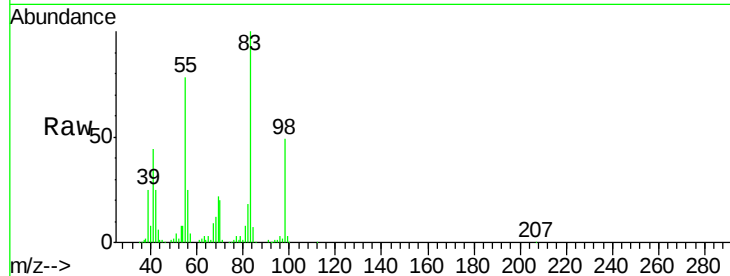
#39
Methvlcvclohexane
Concen: 30.246 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.8	92.6
98	48.9	39.4	59.0

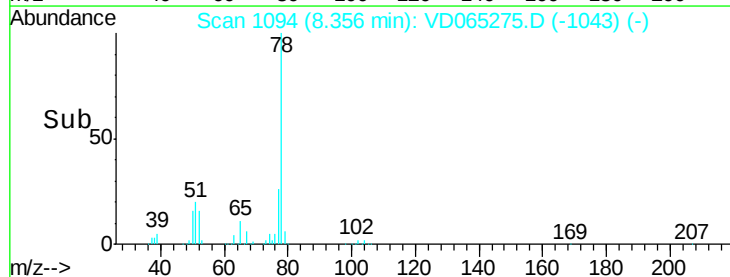
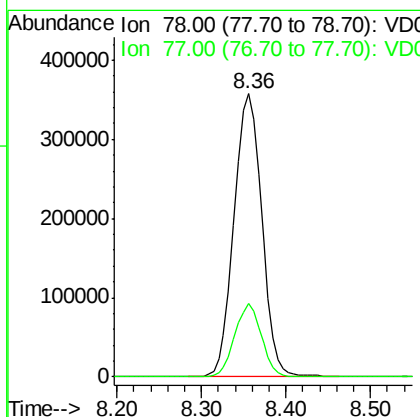
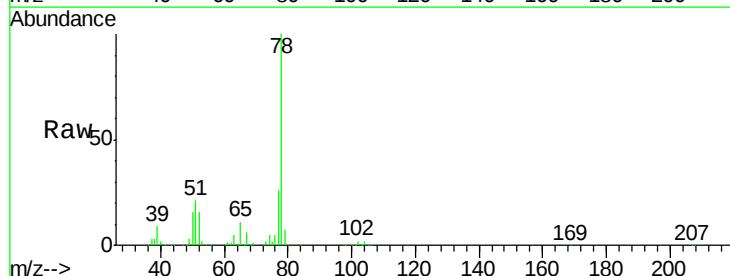
Manual Integrations
APPROVED

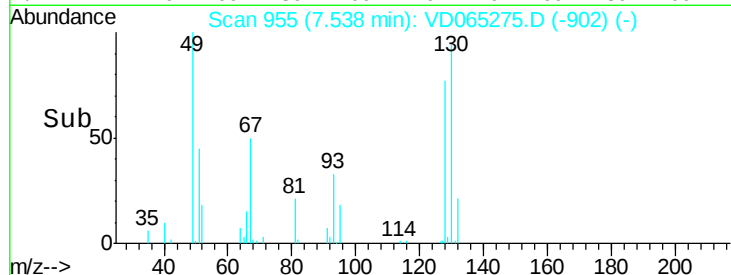
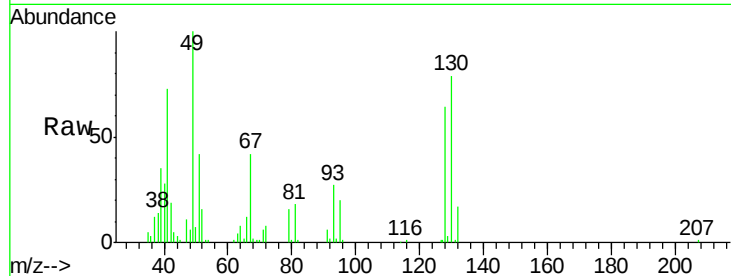
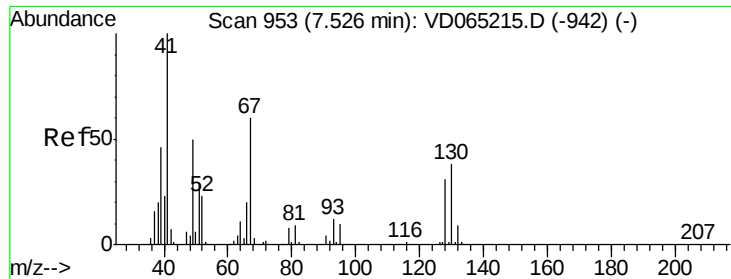
MMDadoda
2/24/2020 11:08:51 AM



#40
Benzene
Concen: 49.851 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.0	28.6





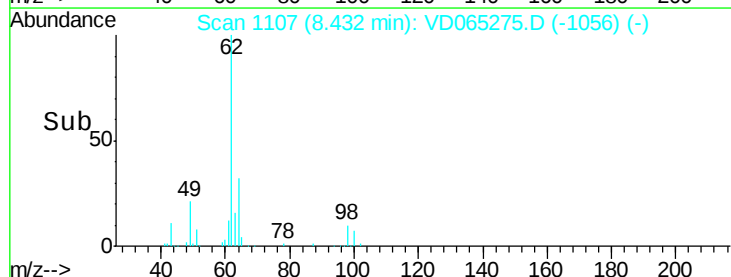
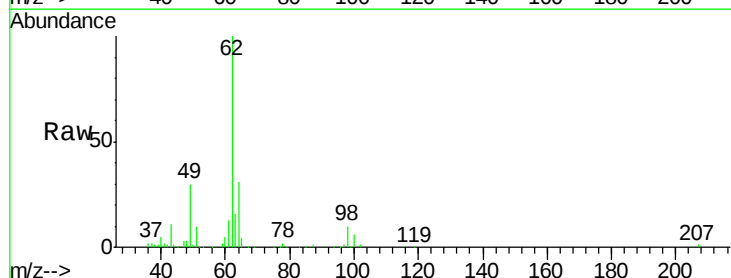
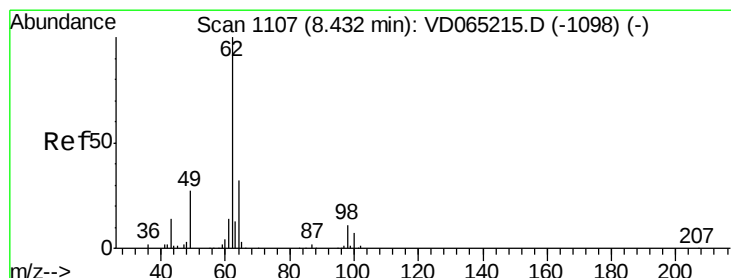
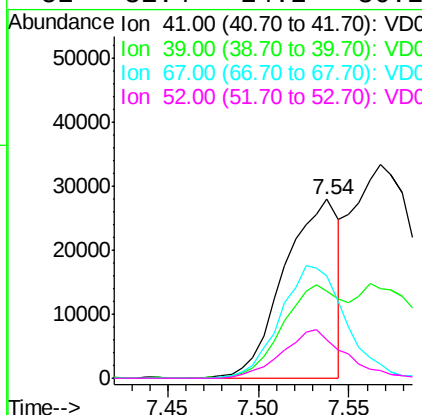
#41
Methacrylonitrile
Concen: 42.111 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.1	72.1
67	74.6	58.9	88.3
52	31.4	24.2	36.2

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

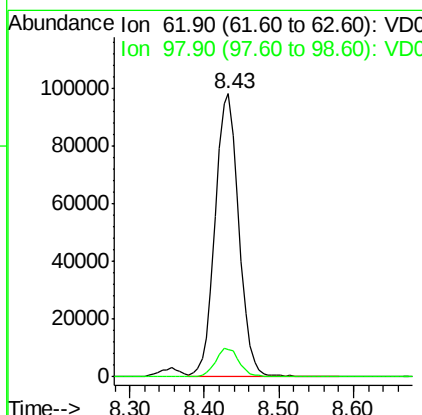
Manual Integrations
APPROVED

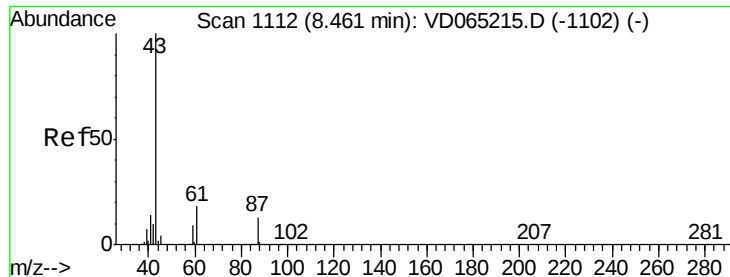
MMDadoda
2/24/2020 11:08:51 AM



#42
1,2-Dichloroethane
Concen: 48.222 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 37.683 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

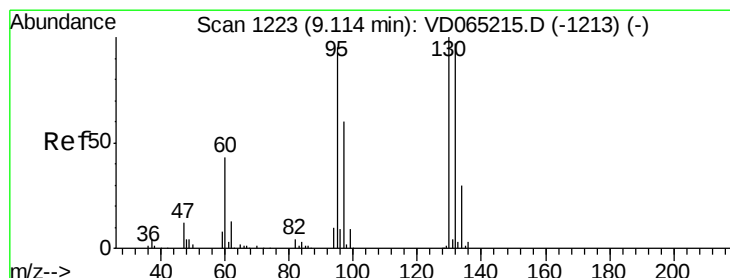
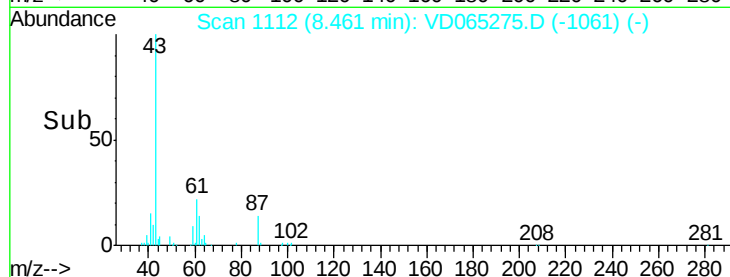
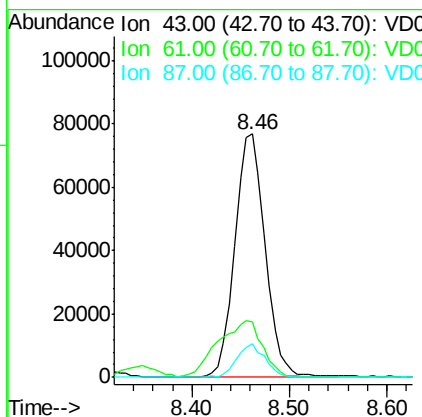
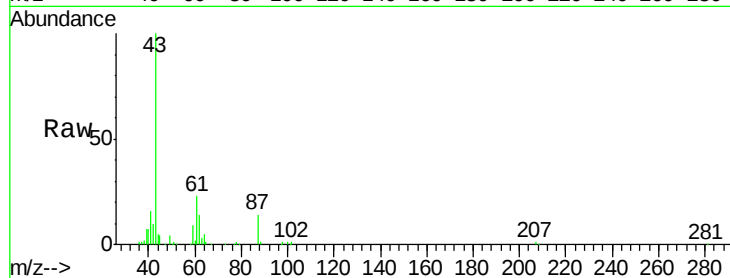
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	43	Resp:	165770
Ion	Ratio	Lower	Upper
43	100		
61	34.6	24.6	36.8
87	12.7	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#44

Trichloroethene

Concen: 45.209 ug/l

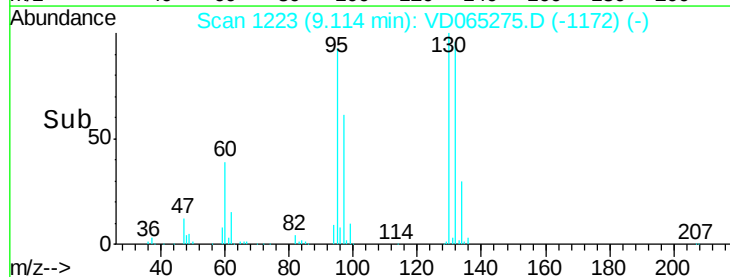
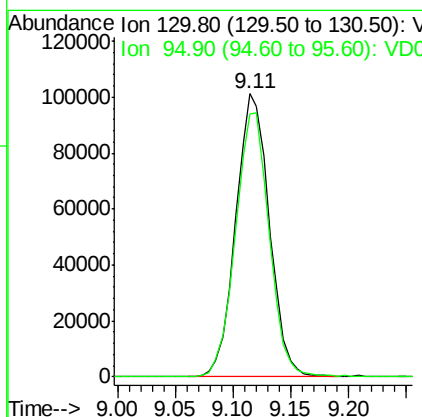
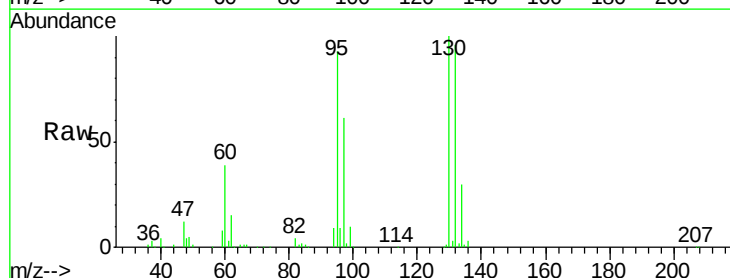
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion:	130	Resp:	204688
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 49.985 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 63 Resp: 203013

Ion Ratio Lower Upper

63 100

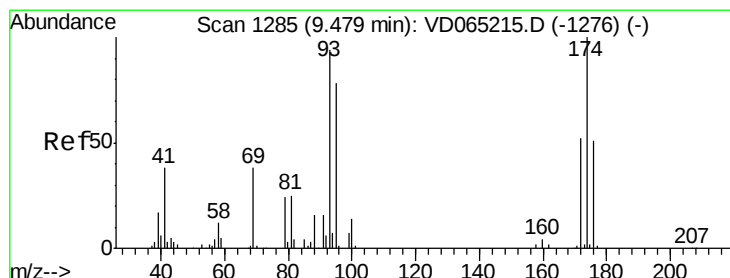
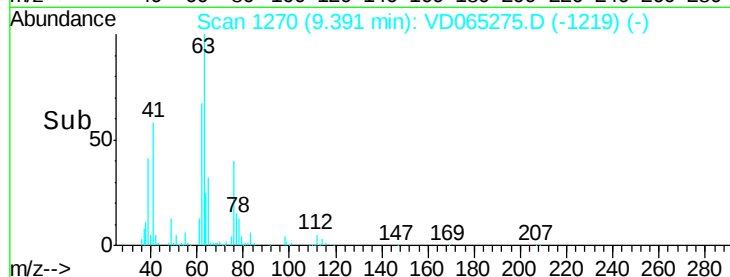
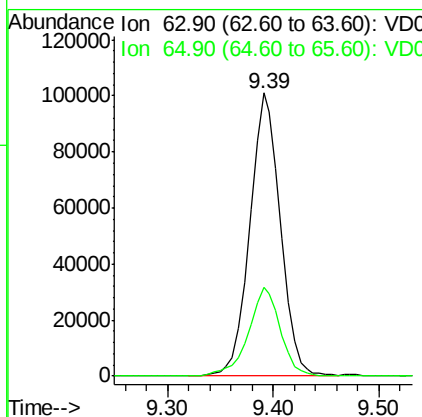
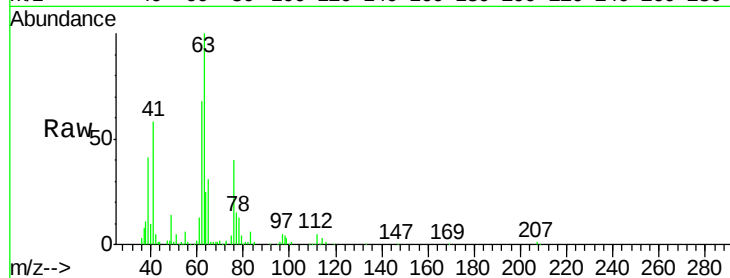
65 31.5 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:08:51 AM



#46

Dibromomethane

Concen: 46.901 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

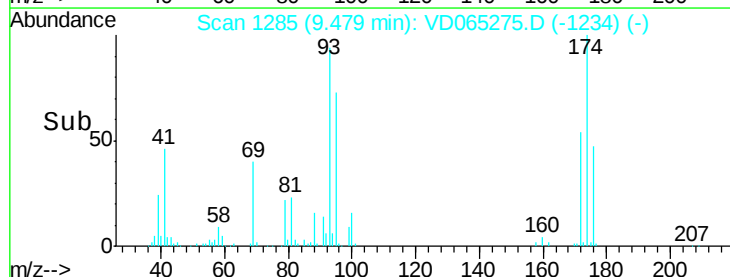
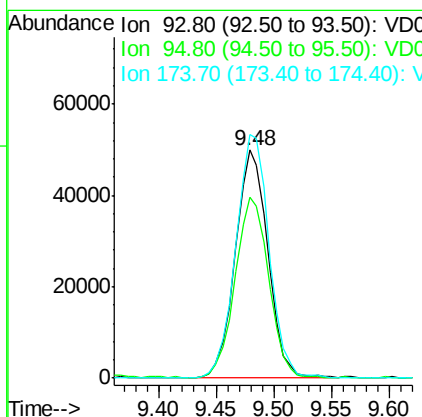
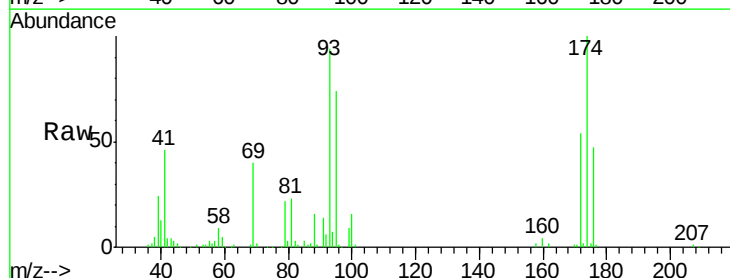
Tgt Ion: 93 Resp: 98008

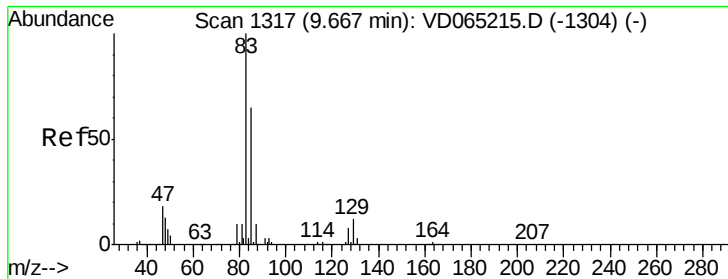
Ion Ratio Lower Upper

93 100

95 82.0 65.8 98.6

174 108.8 86.8 130.2





#47

Bromodichloromethane

Concen: 47.714 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

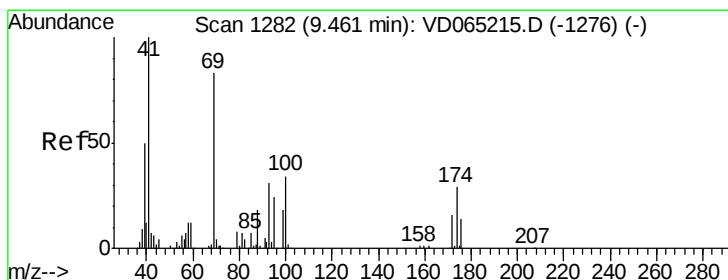
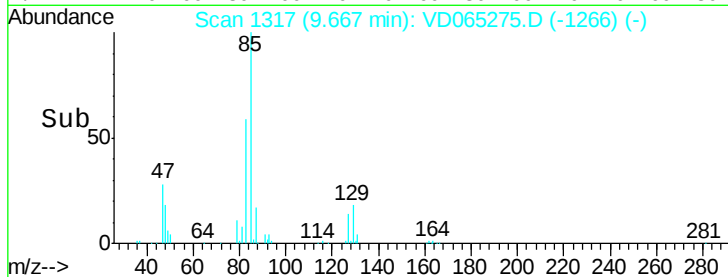
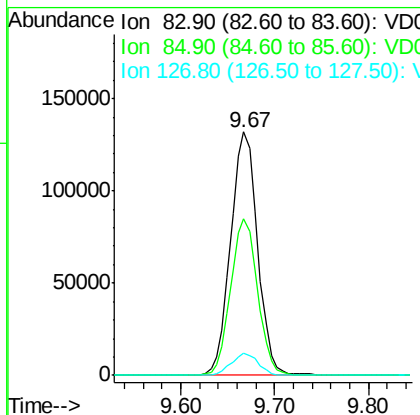
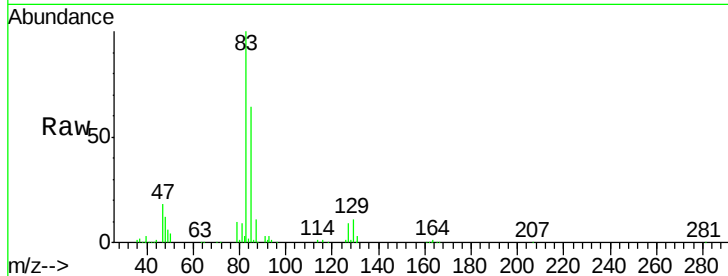
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	83	Resp:	262767
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.0	78.0
127	9.1	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#48

Methyl methacrylate

Concen: 59.461 ug/l

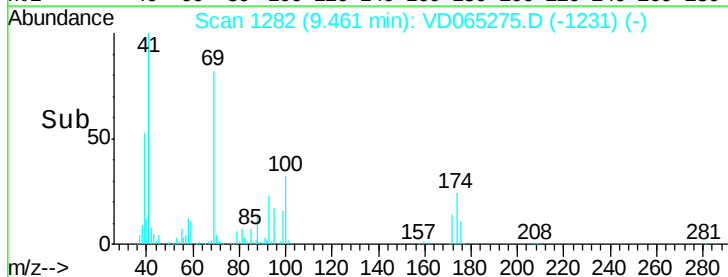
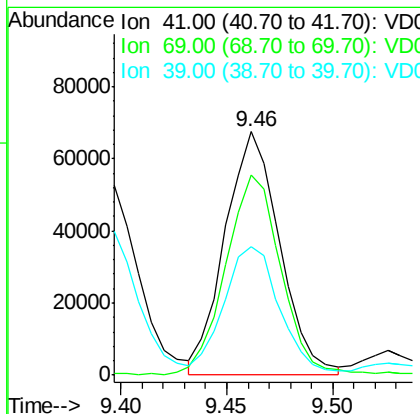
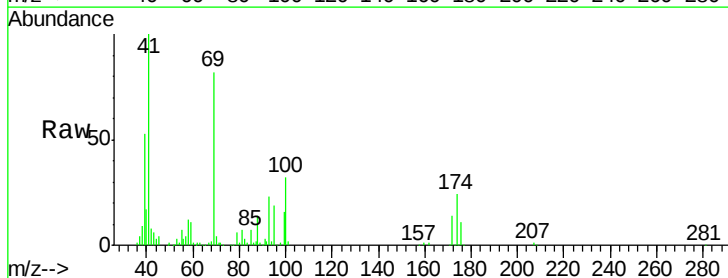
RT: 9.46 min Scan# 1282

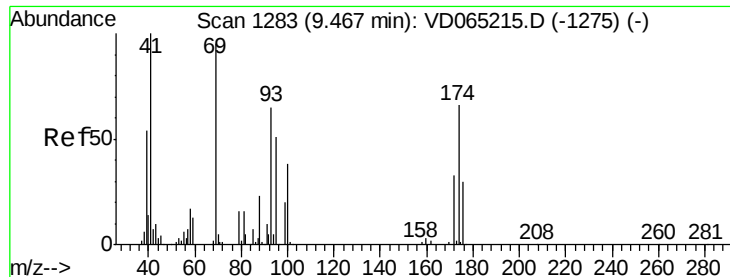
Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion:	41	Resp:	120906
Ion	Ratio	Lower	Upper
41	100		
69	83.3	68.2	102.2
39	53.7	42.0	63.0





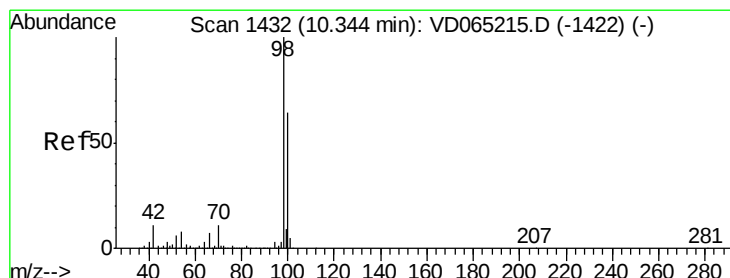
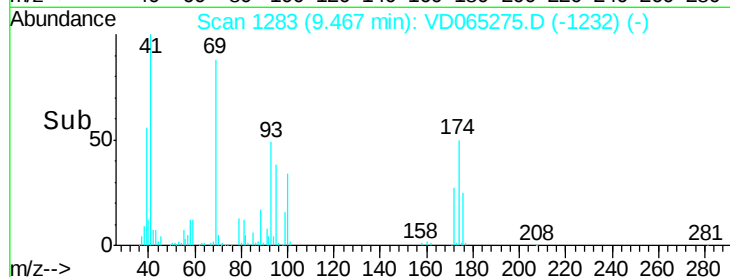
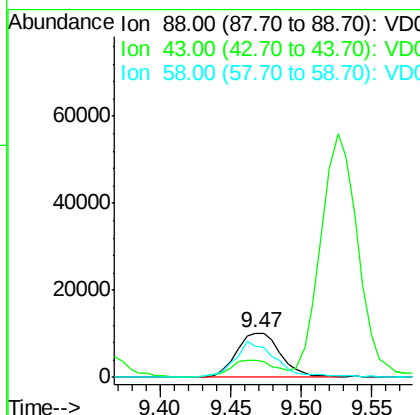
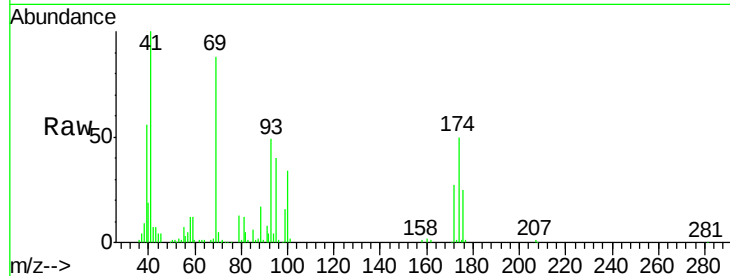
#49
1,4-Dioxane
Concen: 912.360 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.5	42.7
58	75.5	58.6	87.8

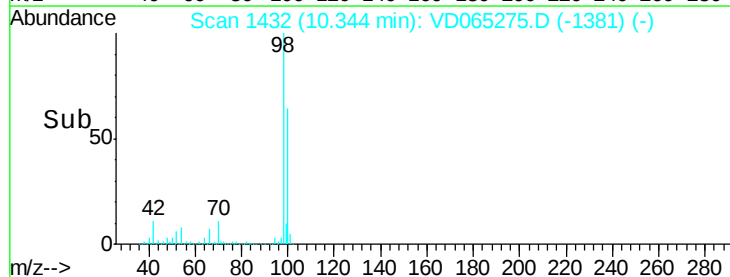
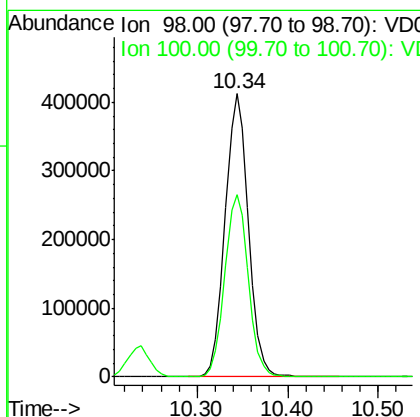
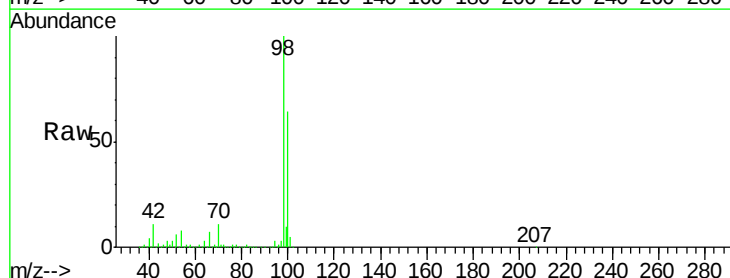
Manual Integrations
APPROVED

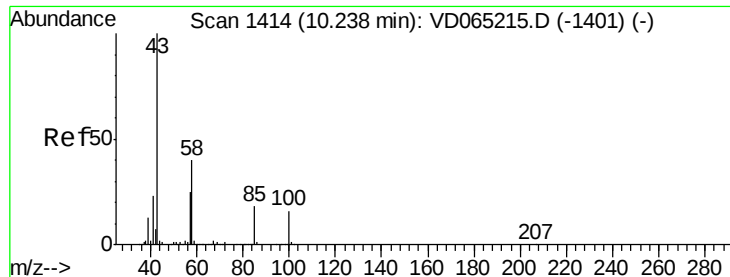
MMDadoda
2/24/2020 11:08:51 AM



#50
Toluene-d8
Concen: 53.132 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 221.542 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 43 Resp: 494999

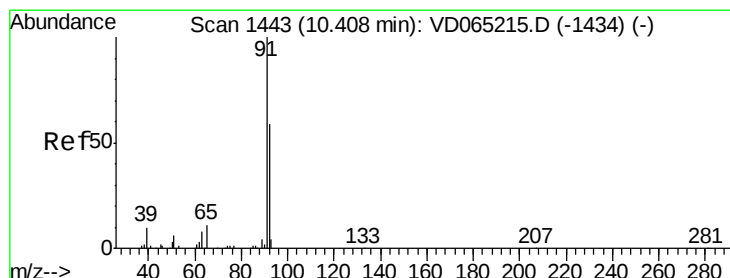
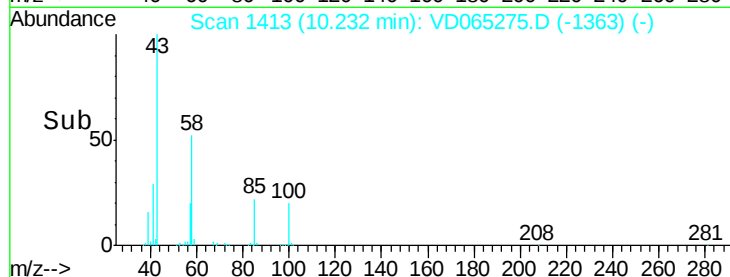
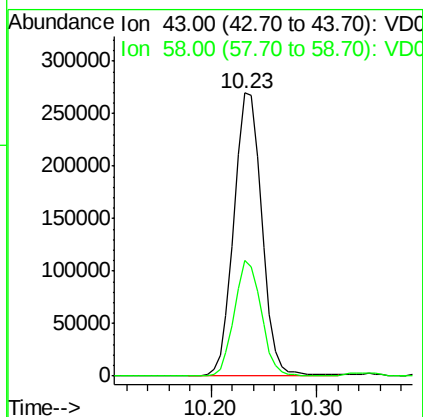
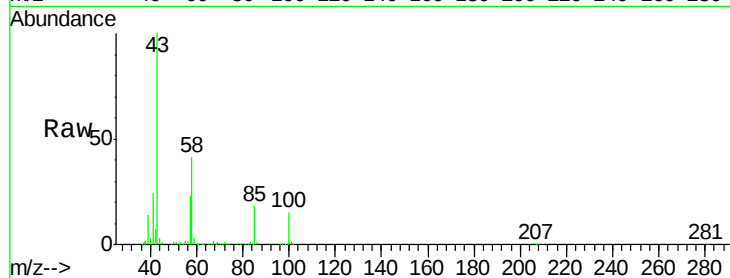
Ion Ratio Lower Upper

43 100

58 39.2 31.1 46.7

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#52

Toluene

Concen: 46.112 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065275.D

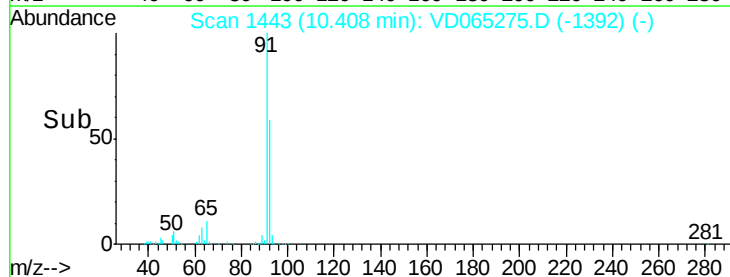
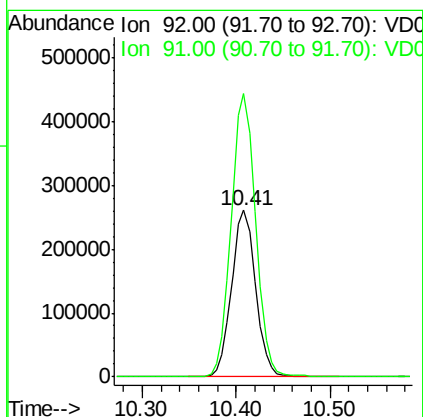
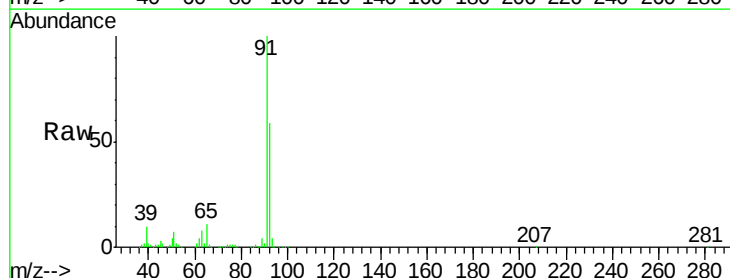
Acq: 21 Feb 2020 15:05

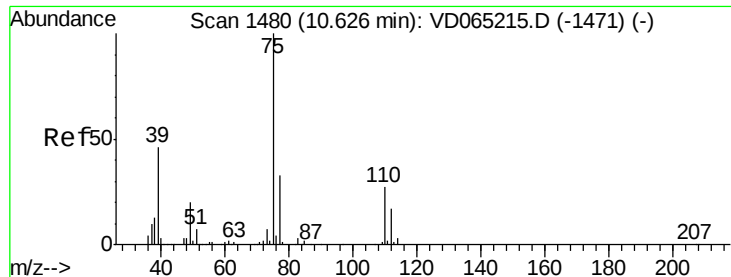
Tgt Ion: 92 Resp: 466200

Ion Ratio Lower Upper

92 100

91 171.9 136.3 204.5





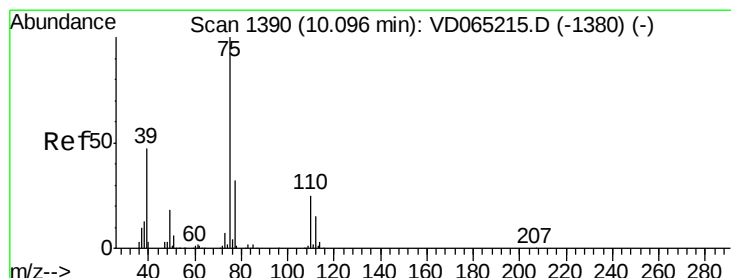
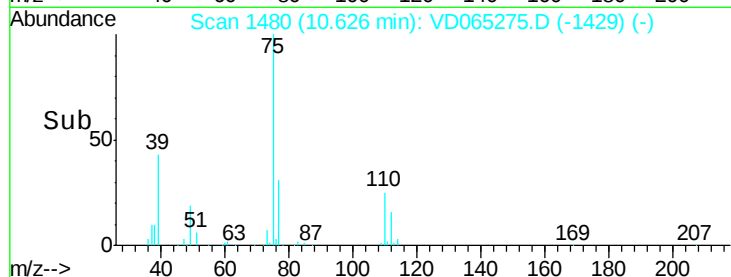
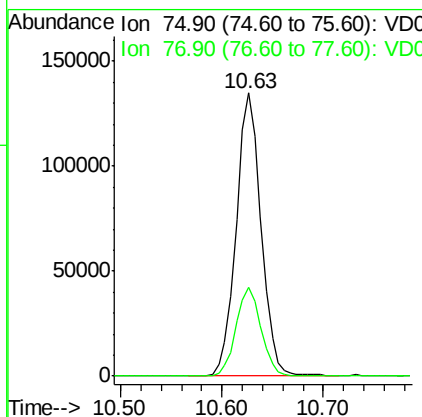
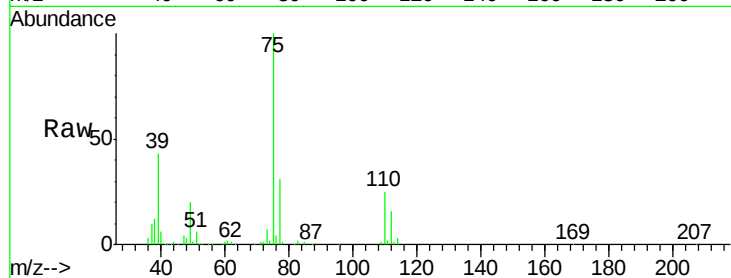
#53
t-1,3-Dichloropropene
Concen: 45.031 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion: 75 Resp: 229866
Ion Ratio Lower Upper
75 100
77 31.3 26.6 40.0

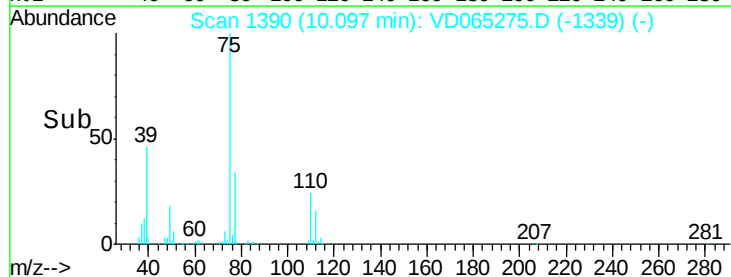
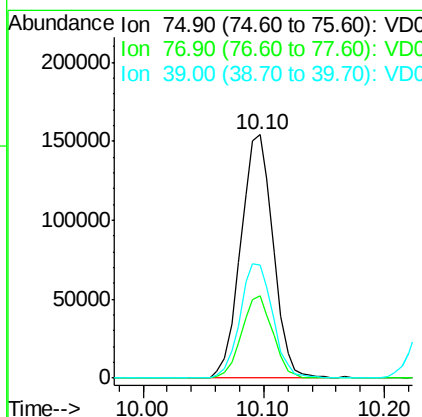
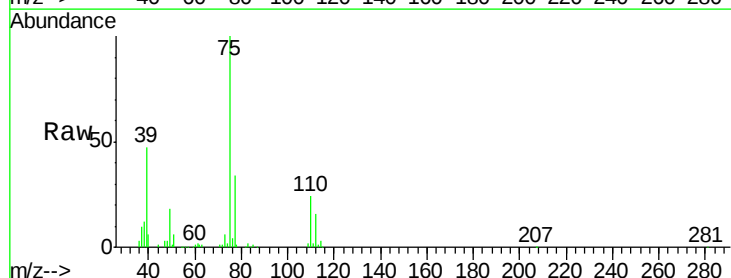
Manual Integrations
APPROVED

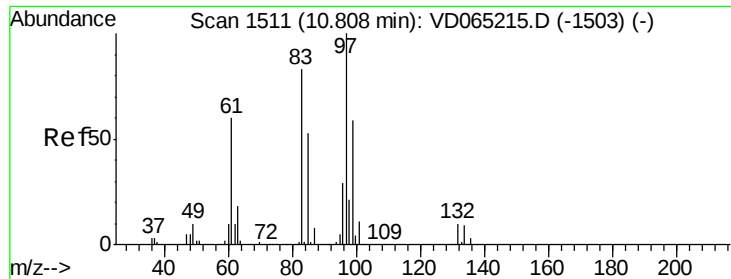
MMDadoda
2/24/2020 11:08:51 AM



#54
cis-1,3-Dichloropropene
Concen: 46.927 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 75 Resp: 289258
Ion Ratio Lower Upper
75 100
77 33.9 25.8 38.8
39 46.5 37.3 55.9





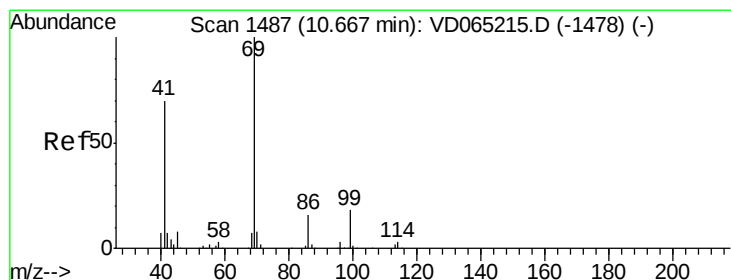
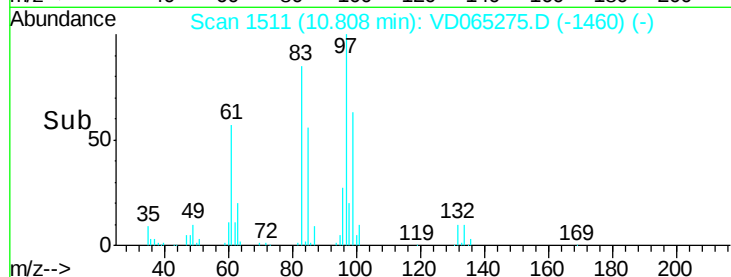
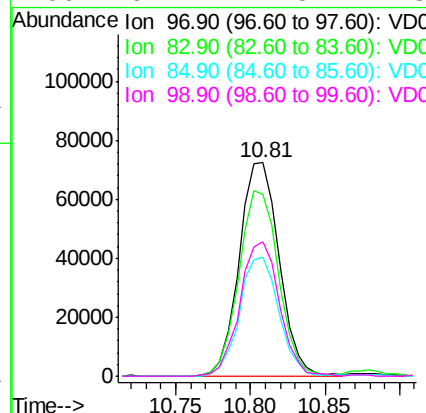
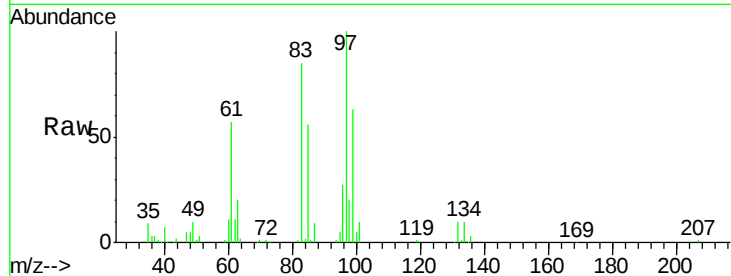
#55
 1,1,2-Trichloroethane
 Concen: 45.979 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion:	97	Resp:	135236
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.7	100.1
85	56.0	42.4	63.6
99	62.7	47.5	71.3

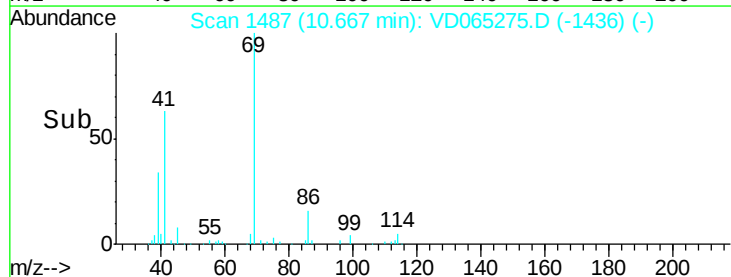
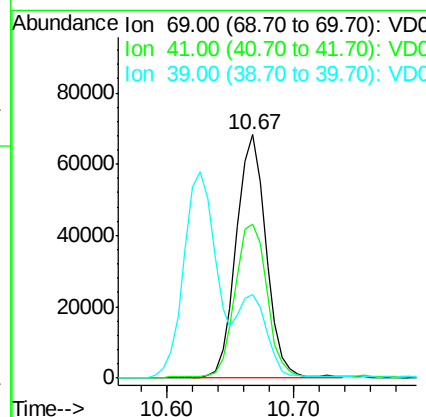
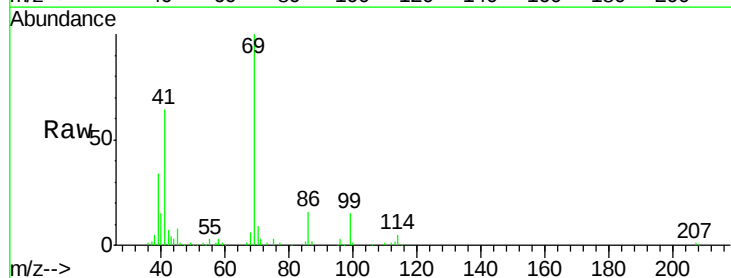
Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:51 AM



#56
 Ethyl methacrylate
 Concen: 32.886 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion:	69	Resp:	111643
Ion	Ratio	Lower	Upper
69	100		
41	69.5	54.6	81.8
39	32.7	26.5	39.7





#57

1,3-Dichloropropane

Concen: 46.384 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 76 Resp: 232196

Ion Ratio Lower Upper

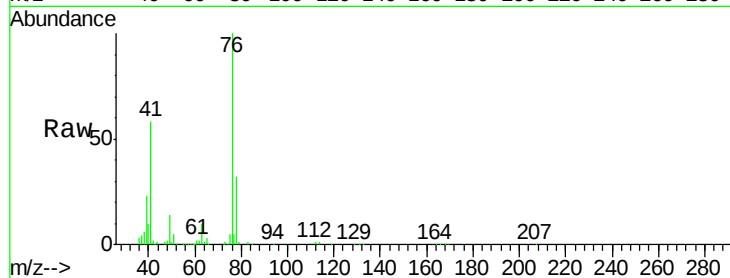
76 100

78 32.5 26.3 39.5

Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:08:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

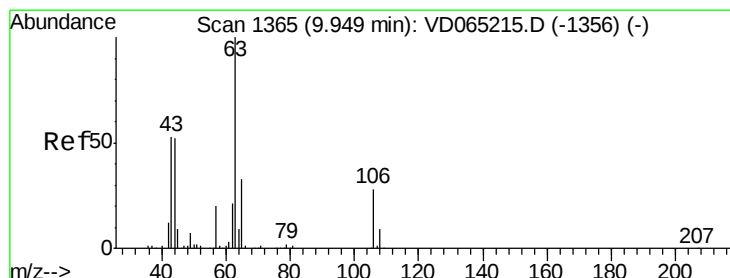
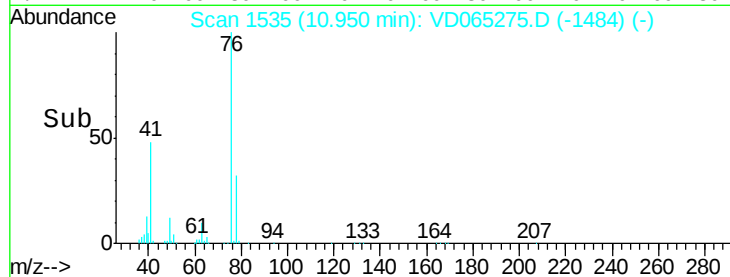
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 213.753 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065275.D

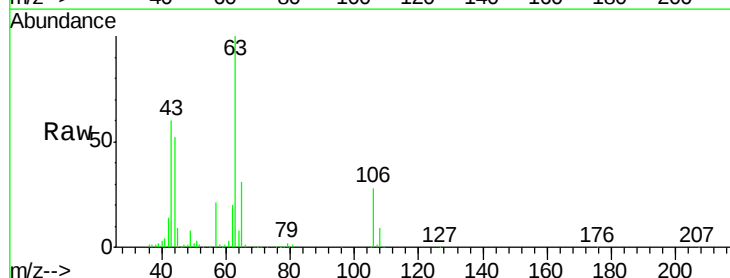
Acq: 21 Feb 2020 15:05

Tgt Ion: 63 Resp: 228780

Ion Ratio Lower Upper

63 100

106 28.6 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

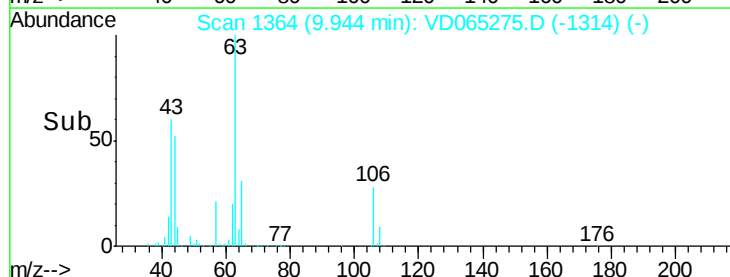
150000

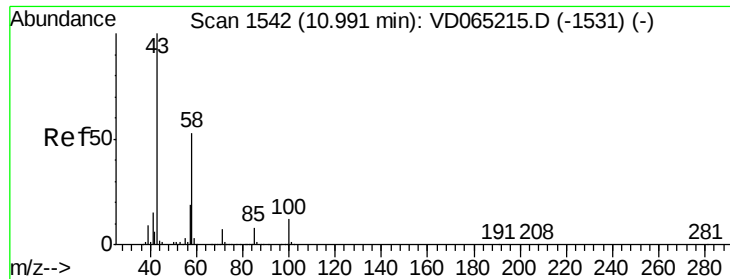
100000

50000

0

Time-->





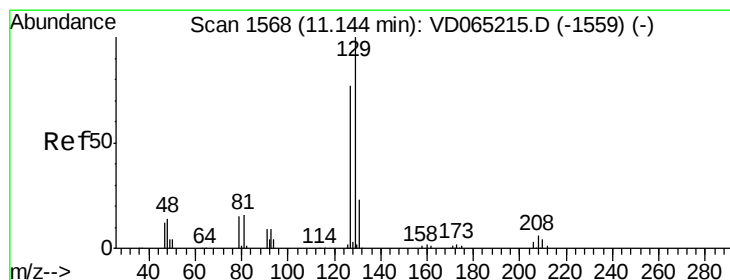
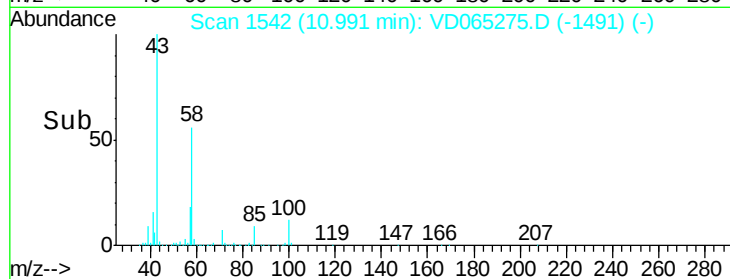
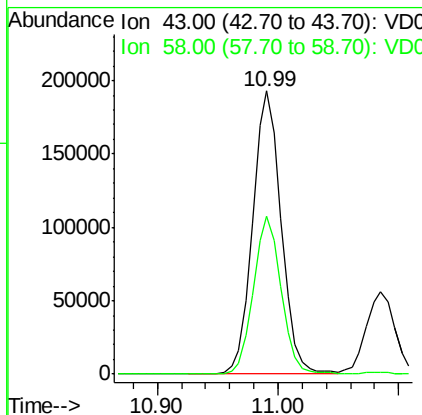
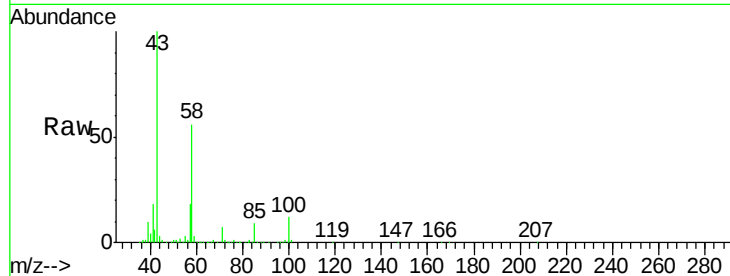
#59
2-Hexanone
Concen: 198.908 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	26.3	78.8

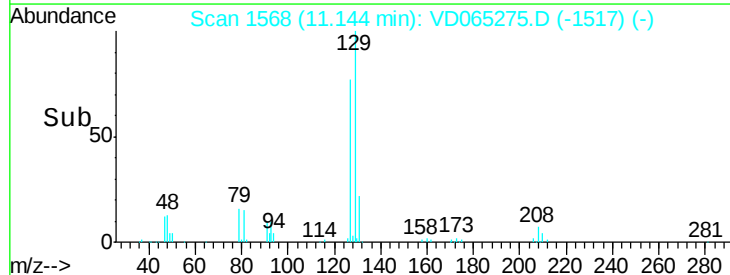
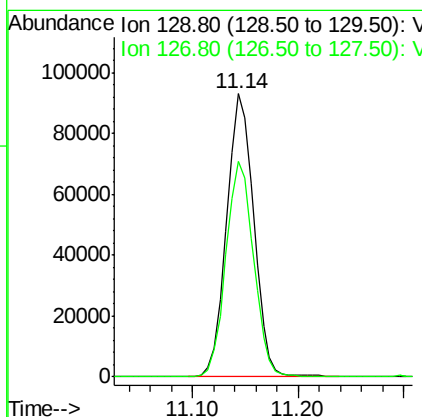
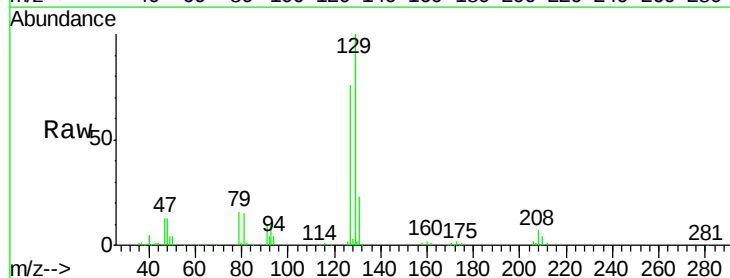
Manual Integrations
APPROVED

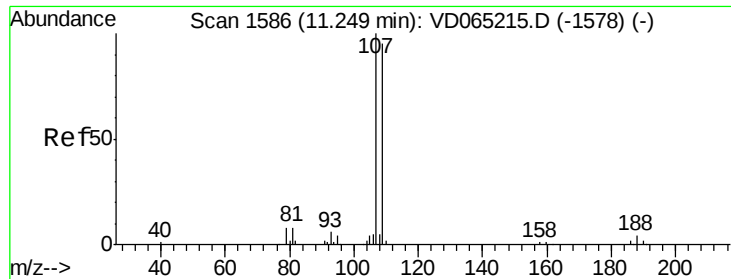
MMDadoda
2/24/2020 11:08:51 AM



#60
Dibromochloromethane
Concen: 43.967 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.7	116.1





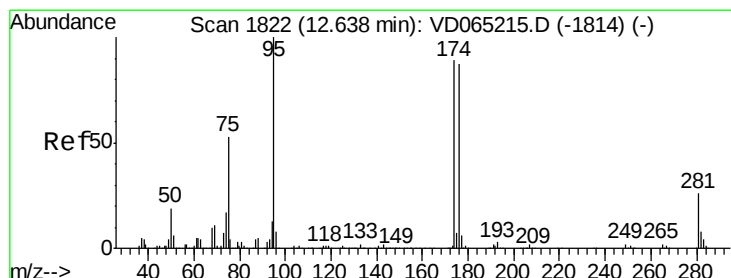
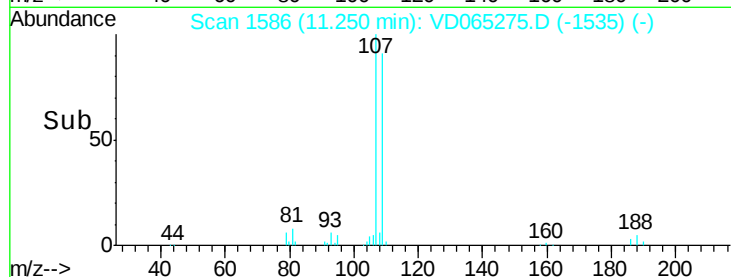
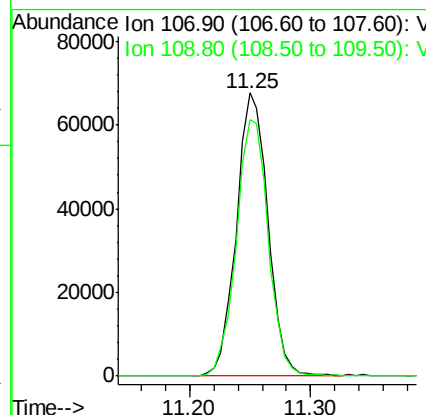
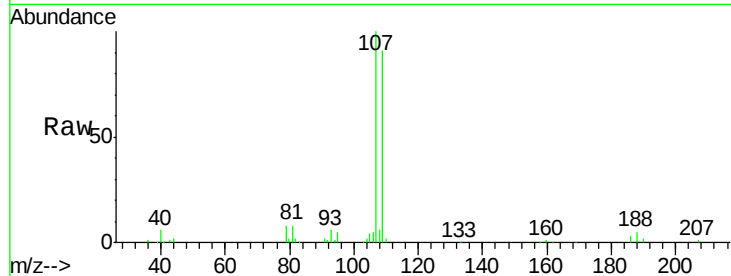
#61
 1,2-Dibromoethane
 Concen: 44.291 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	123343		
109	92.1	76.2	114.4	

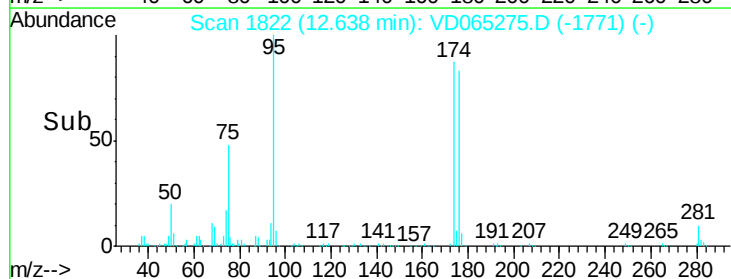
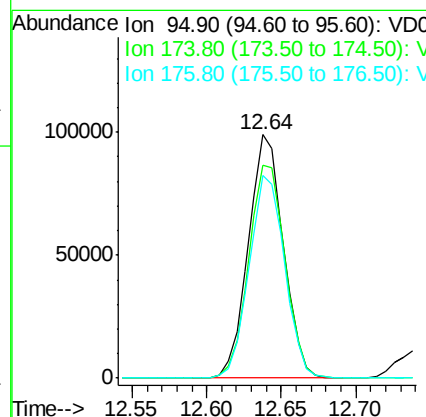
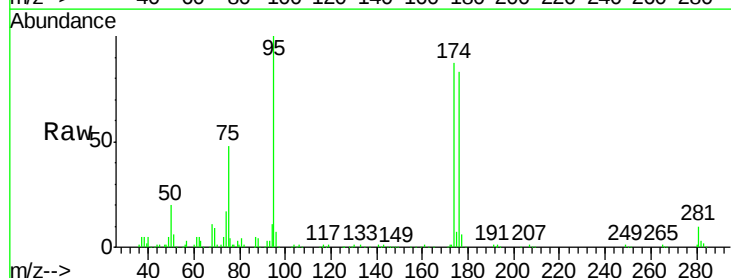
Manual Integrations
 APPROVED

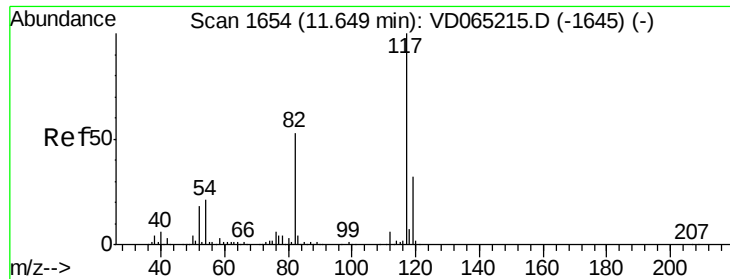
MMDadoda
 2/24/2020 11:08:51 AM



#62
 4-Bromofluorobenzene
 Concen: 36.498 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	160286		
174	90.6	0.0	178.0	
176	84.5	0.0	174.4	





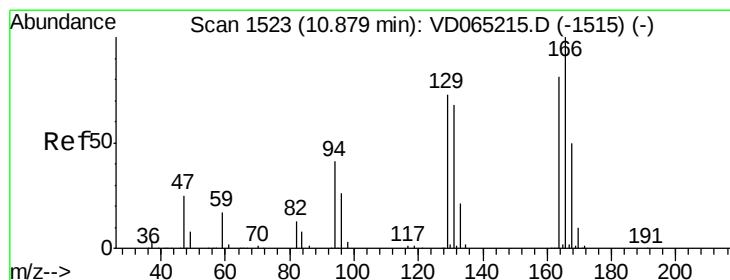
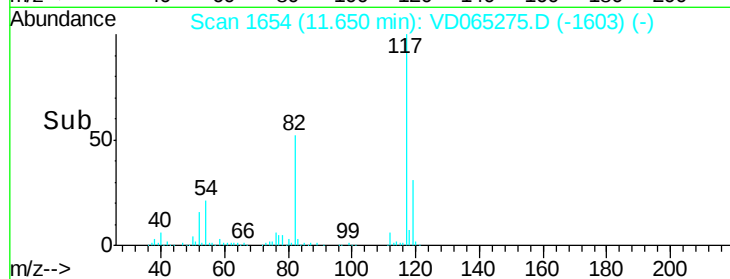
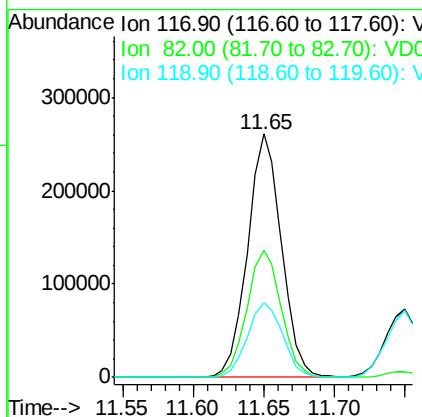
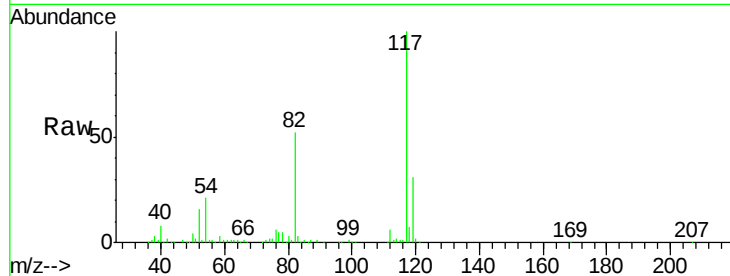
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.7	64.1
119	30.8	25.5	38.3

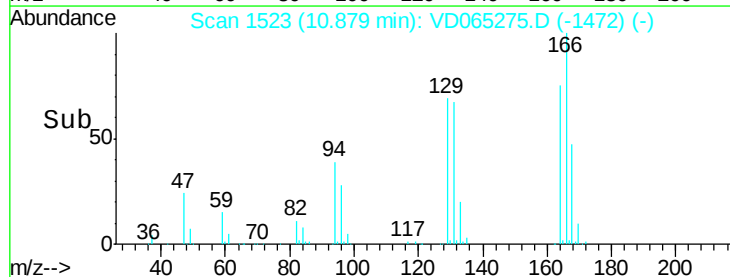
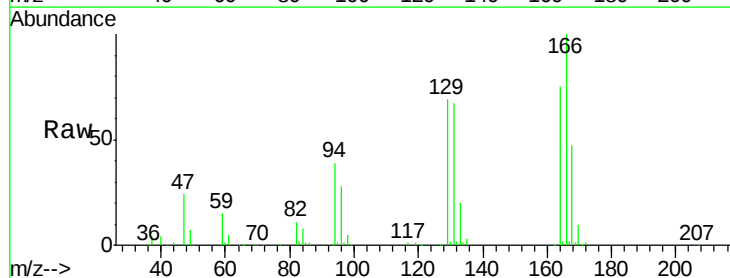
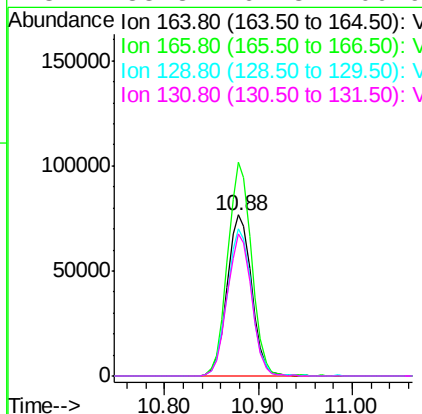
Manual Integrations
APPROVED

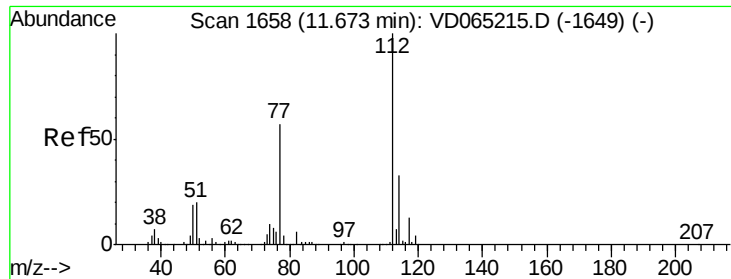
MMDadoda
2/24/2020 11:08:51 AM



#64
Tetrachloroethene
Concen: 44.482 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	98.4	147.6
129	91.3	71.6	107.4
131	88.3	67.3	100.9





#65

Chlorobenzene

Concen: 46.615 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:112 Resp: 410974

Ion Ratio Lower Upper

112 100

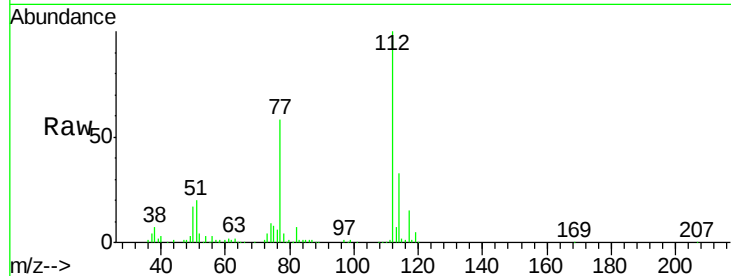
114 32.7 26.4 39.6

Manual Integrations

APPROVED

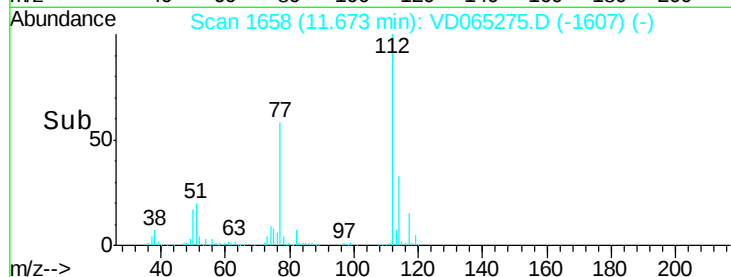
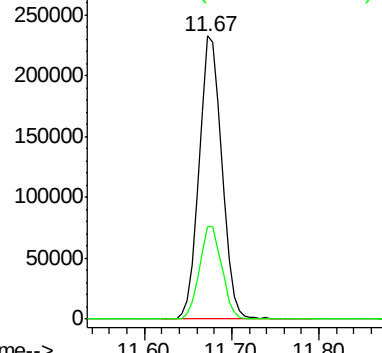
MMDadoda

2/24/2020 11:08:51 AM

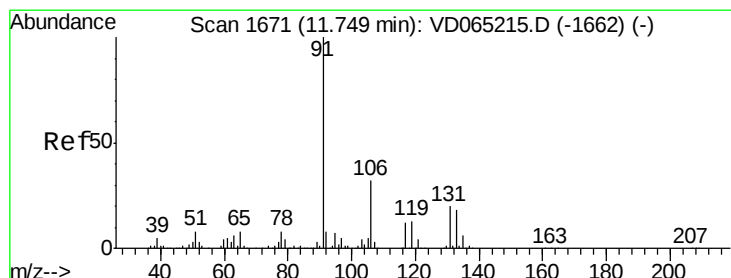


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.651 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

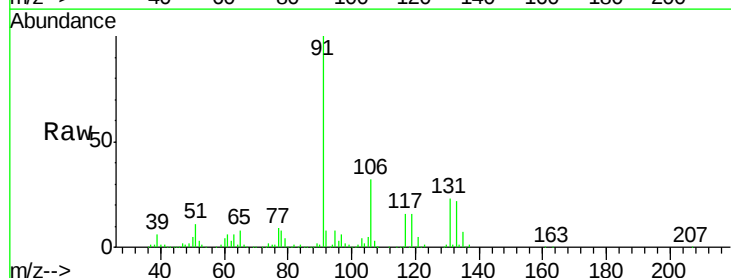
Tgt Ion:131 Resp: 179805

Ion Ratio Lower Upper

131 100

133 98.0 47.7 143.1

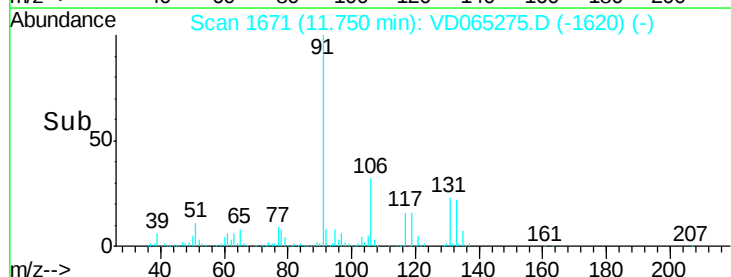
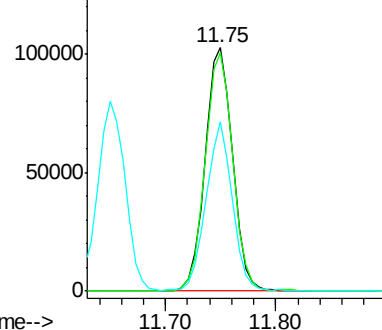
119 66.7 32.7 98.1



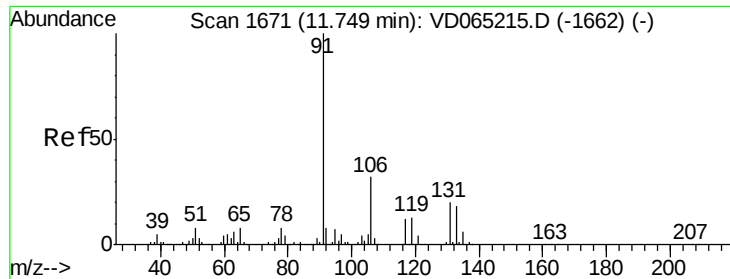
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->



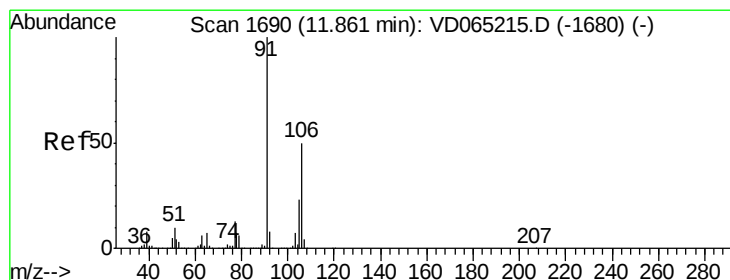
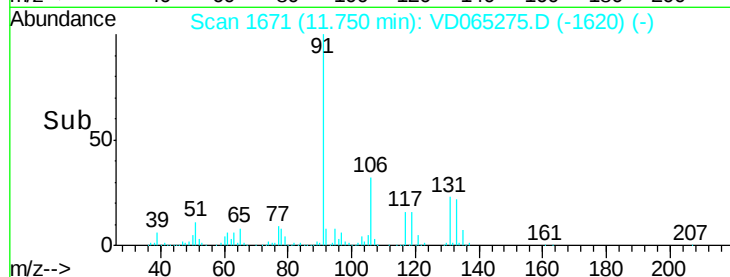
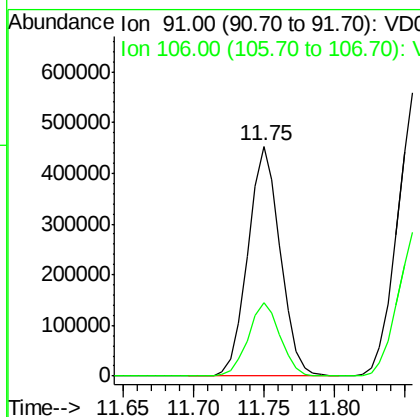
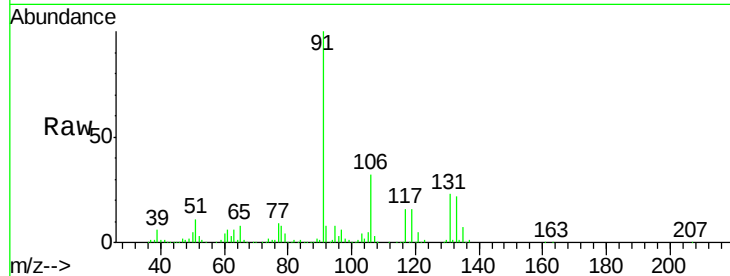
#67
Ethyl Benzene
Concen: 47.276 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion: 91 Resp: 729983
Ion Ratio Lower Upper
91 100
106 32.1 25.2 37.8

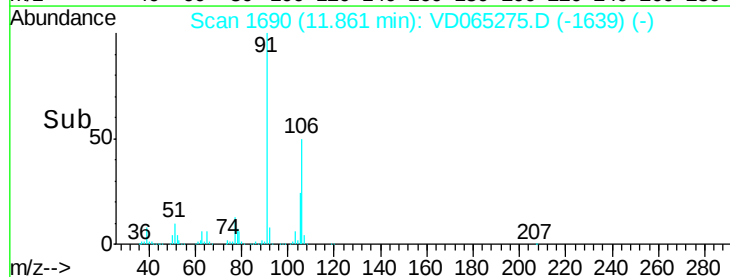
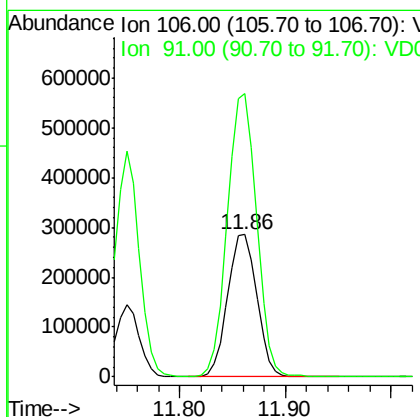
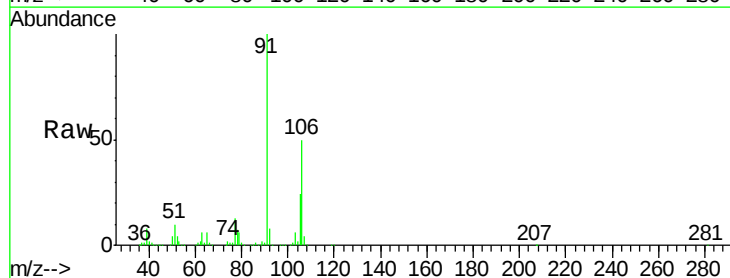
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#68
m/p-Xylenes
Concen: 92.663 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion: 106 Resp: 547415
Ion Ratio Lower Upper
106 100
91 199.1 158.2 237.4





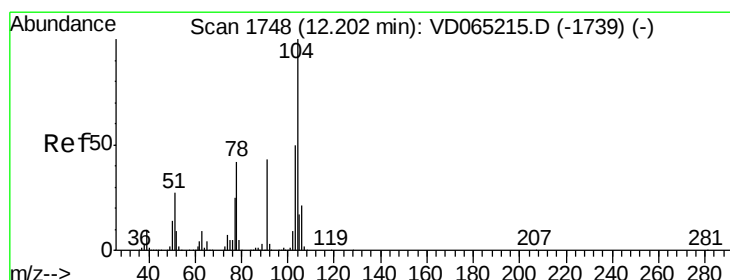
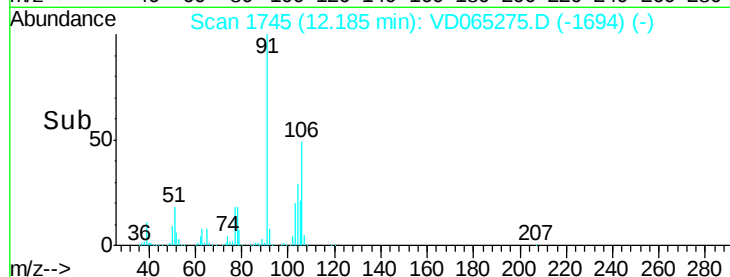
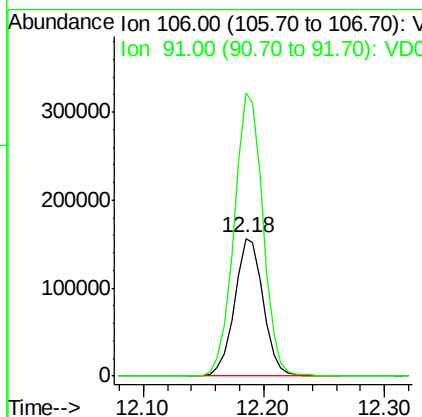
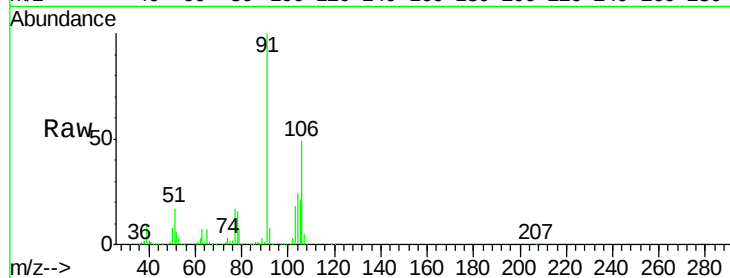
#69
o-Xylene
Concen: 49.274 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		257892		
91	207.2	104.7	313.9		

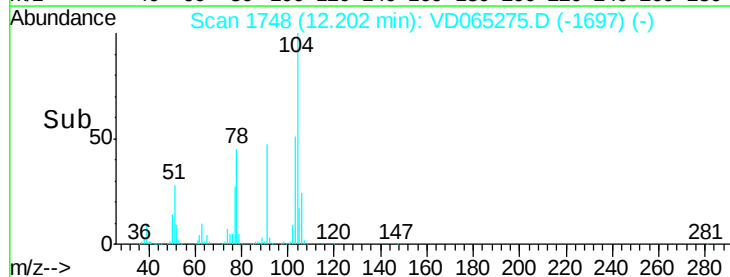
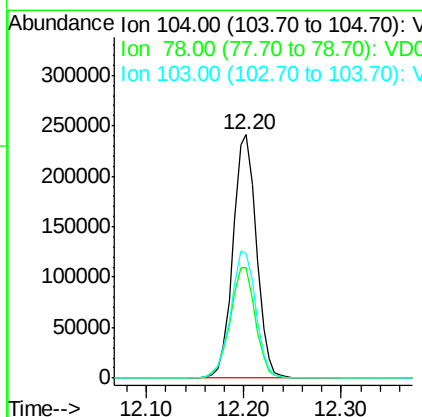
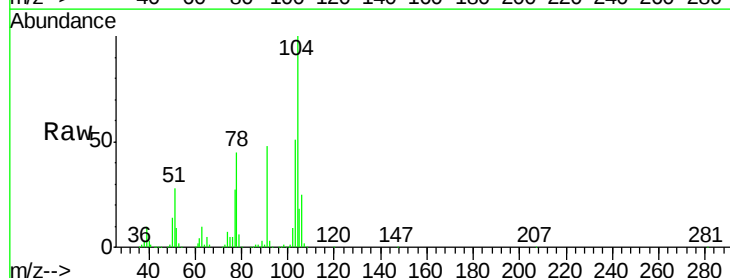
Manual Integrations
APPROVED

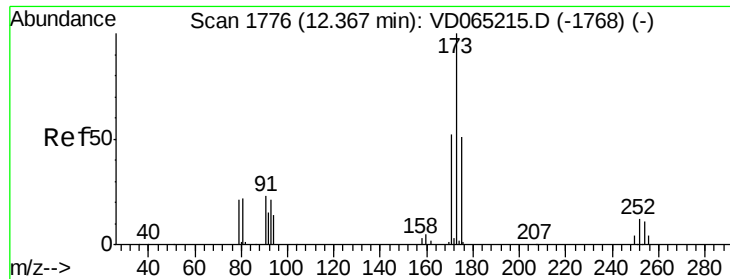
MMDadoda
2/24/2020 11:08:51 AM



#70
Styrene
Concen: 43.353 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		402854		
78	48.6	37.8	56.6		
103	55.9	43.4	65.2		





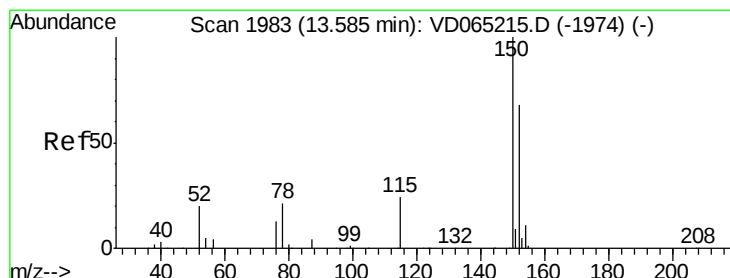
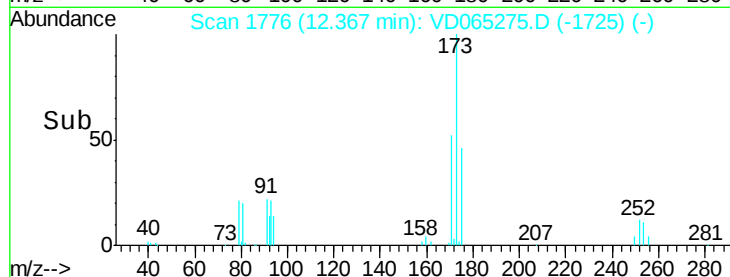
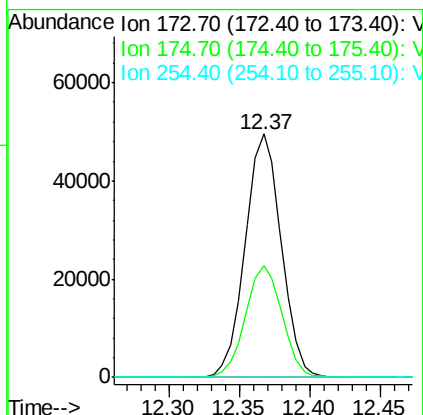
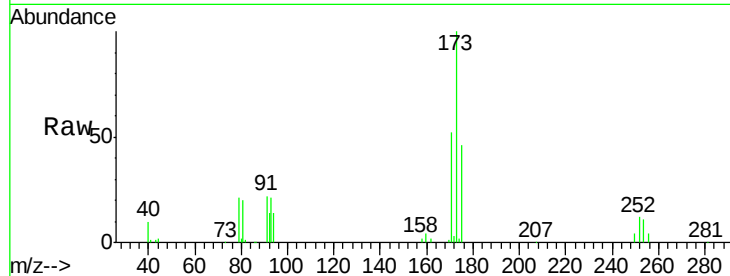
#71
Bromoform
Concen: 48.717 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	24.4	73.4
254	0.0	0.0	0.0

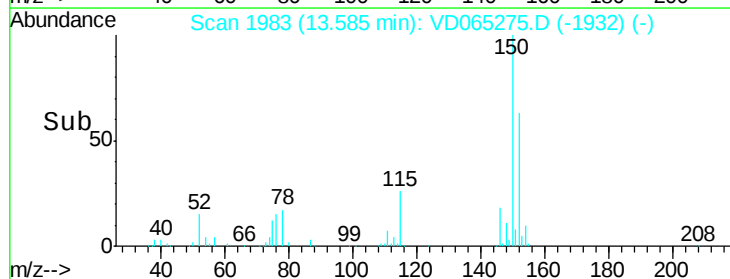
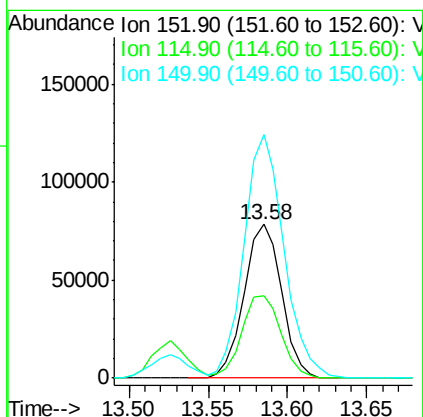
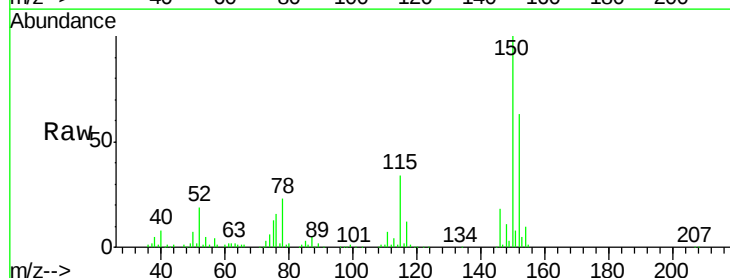
Manual Integrations
APPROVED

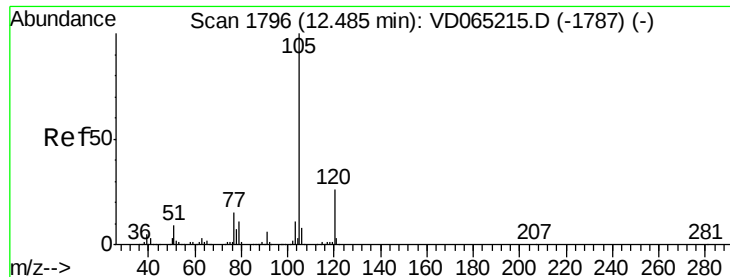
MMDadoda
2/24/2020 11:08:51 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.6	82.8
150	168.6	0.0	347.4





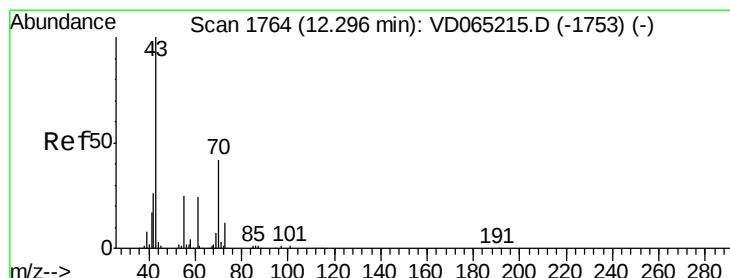
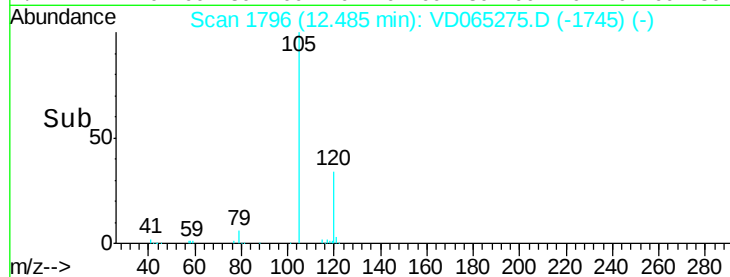
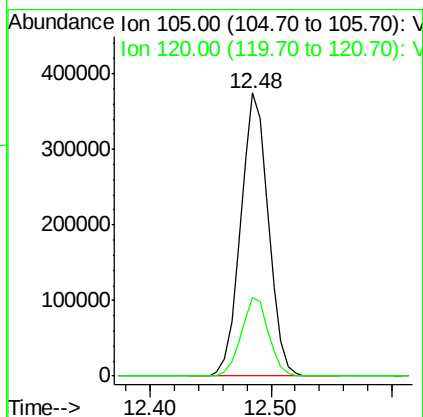
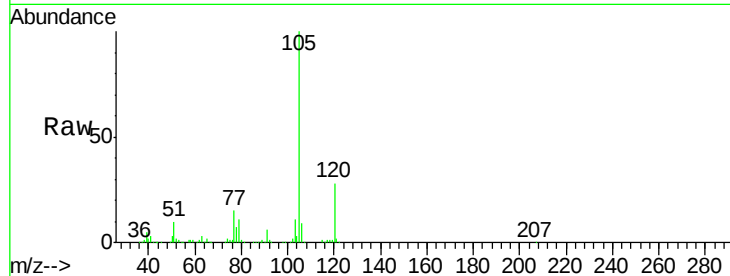
#73
Isopropylbenzene
Concen: 69.894 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.3	39.9

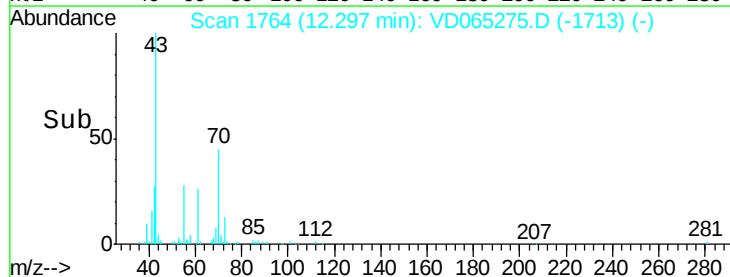
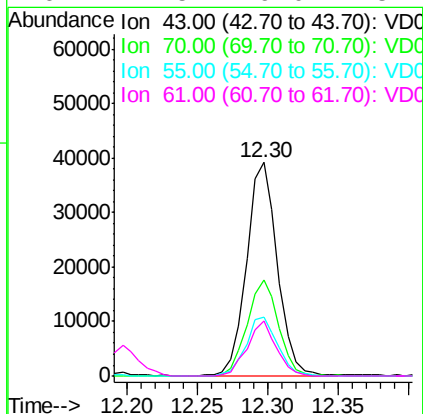
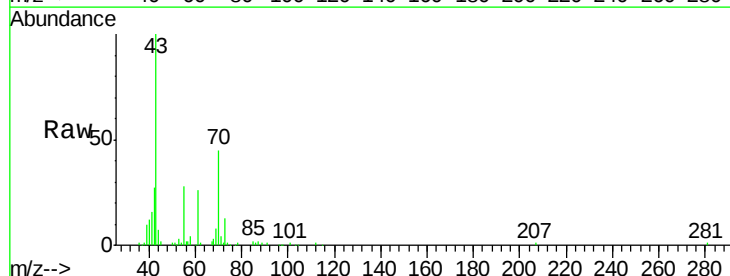
Manual Integrations
APPROVED

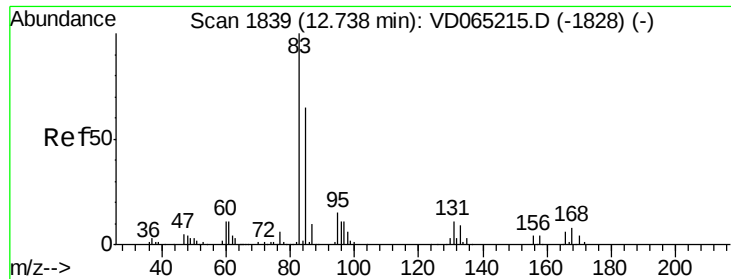
MMDadoda
2/24/2020 11:08:51 AM



#74
N-ethyl acetate
Concen: 31.638 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.3	33.7	50.5
55	28.4	20.7	31.1
61	24.5	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 80.615 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

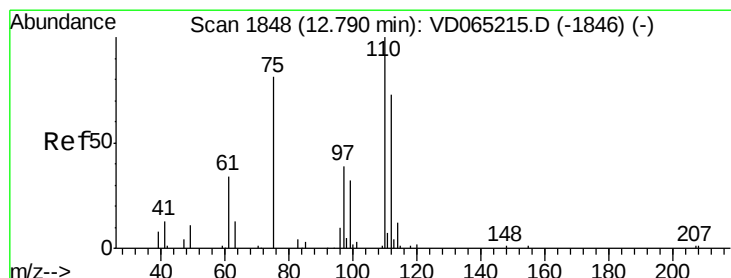
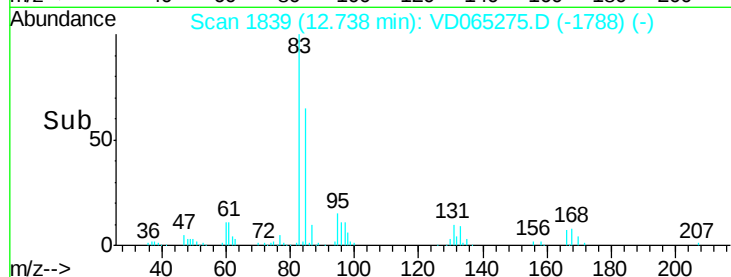
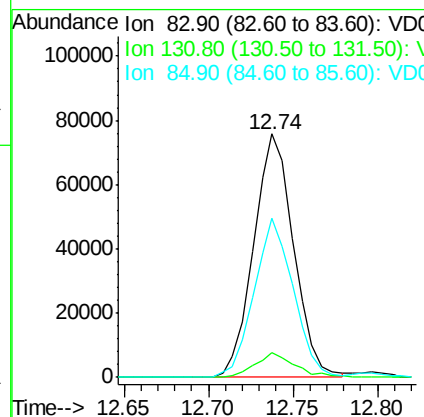
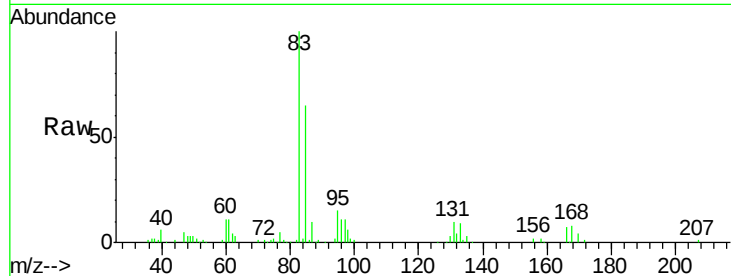
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	83	Resp:	124514
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.4	16.2
85	64.1	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#76

1,2,3-Trichloropropane

Concen: 76.660 ug/l m

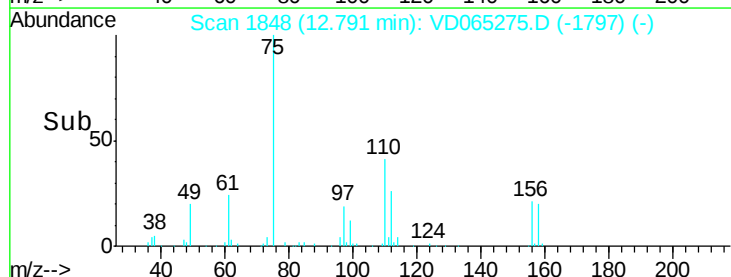
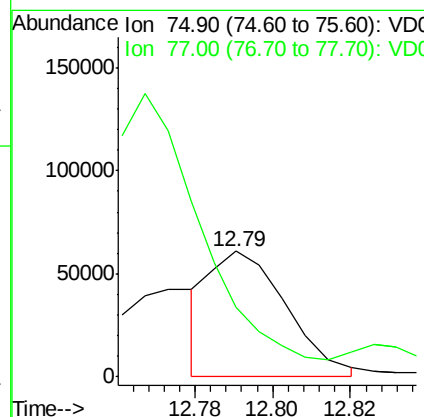
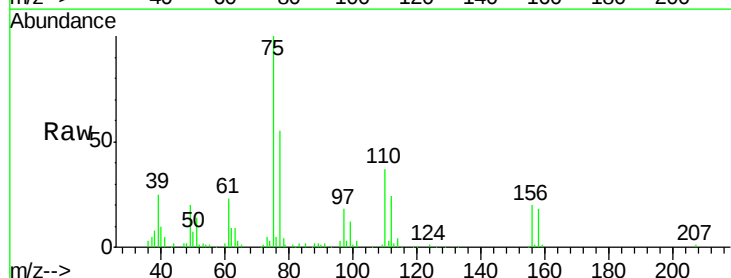
RT: 12.79 min Scan# 1848

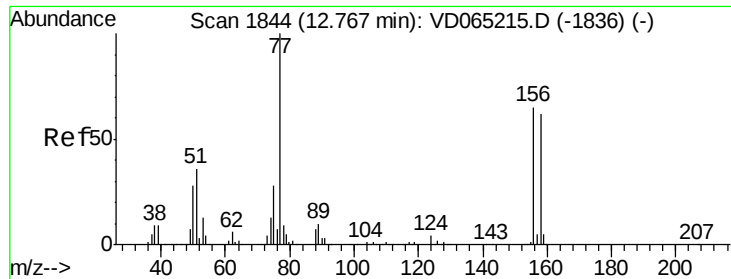
Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion:	75	Resp:	84315
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 66.903 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

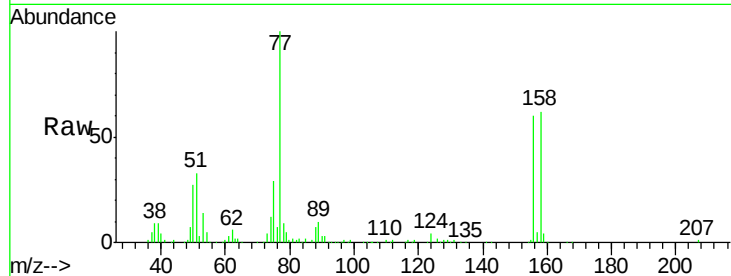
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	156	Resp:	142179
Ion Ratio	Lower	Upper	
156	100		
77	181.5	86.6	259.7
158	97.3	48.1	144.3

Manual Integrations
APPROVED

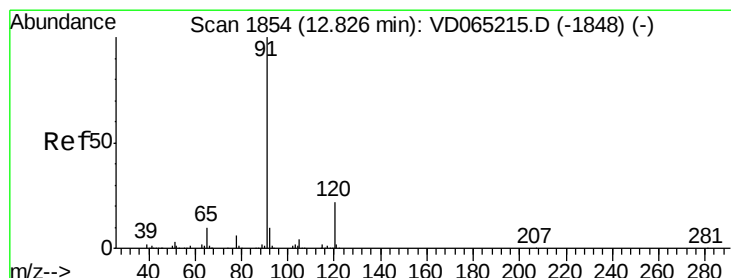
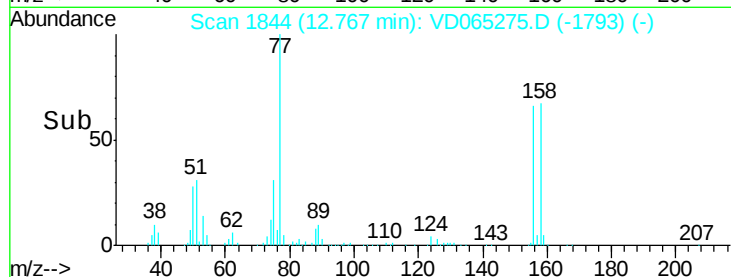
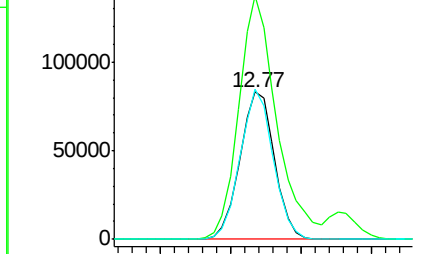
MMDadoda
2/24/2020 11:08:51 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.058 ug/l

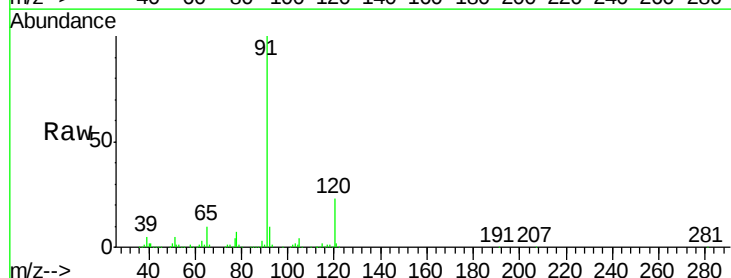
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065275.D

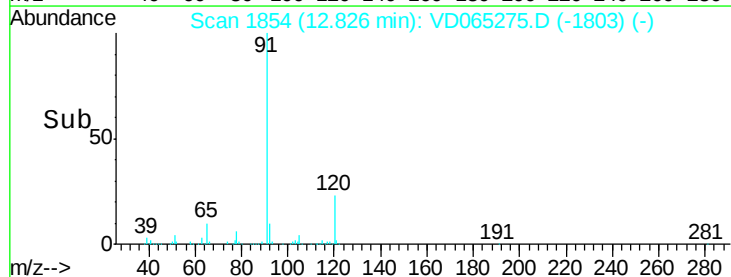
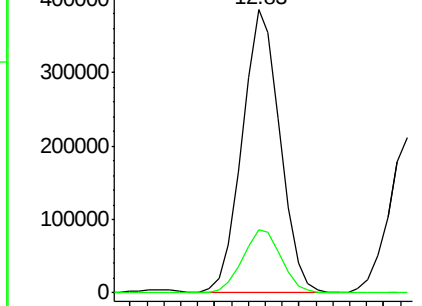
Acq: 21 Feb 2020 15:05

Tgt Ion:	91	Resp:	597100
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 60.551 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 91 Resp: 348863

Ion Ratio Lower Upper

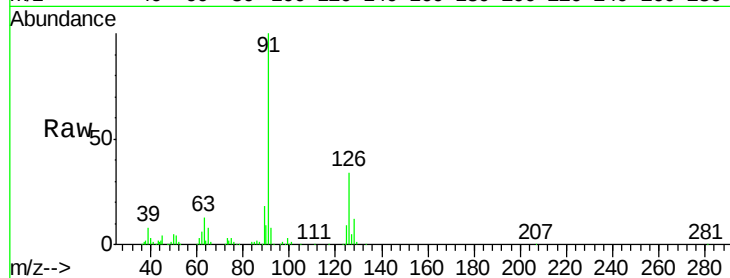
91 100

126 34.3 17.5 52.6

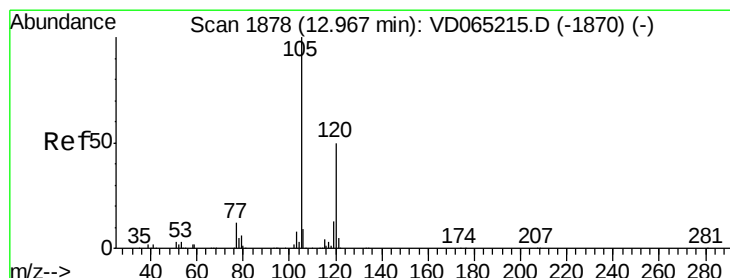
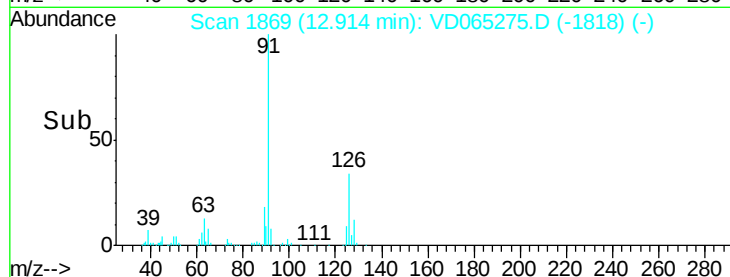
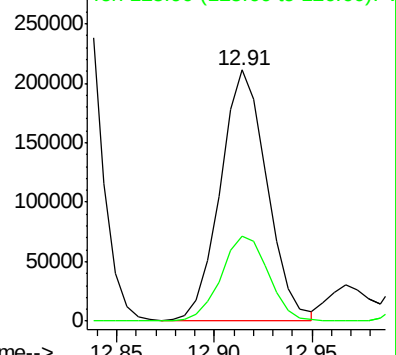
Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:08:51 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 63.504 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065275.D

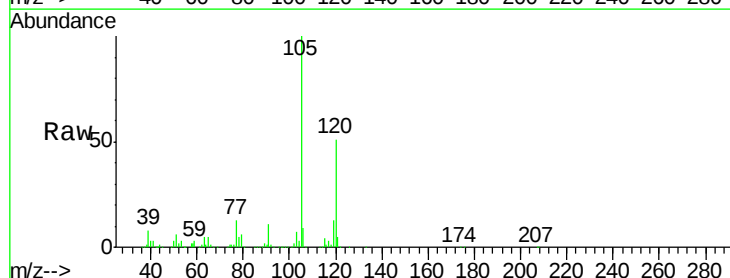
Acq: 21 Feb 2020 15:05

Tgt Ion: 105 Resp: 447624

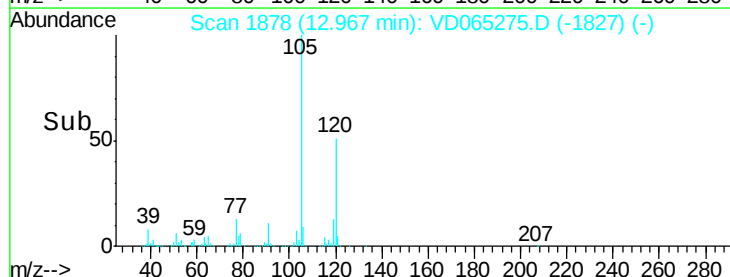
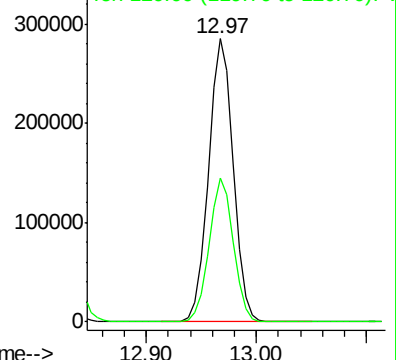
Ion Ratio Lower Upper

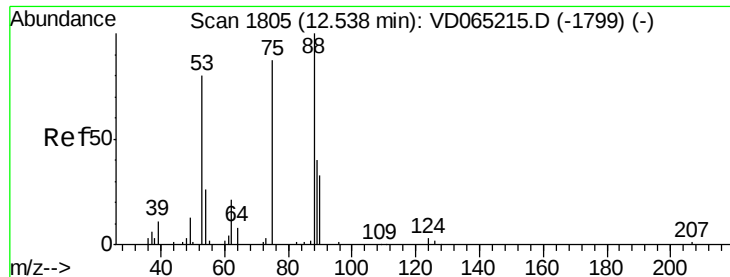
105 100

120 50.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 77.939 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

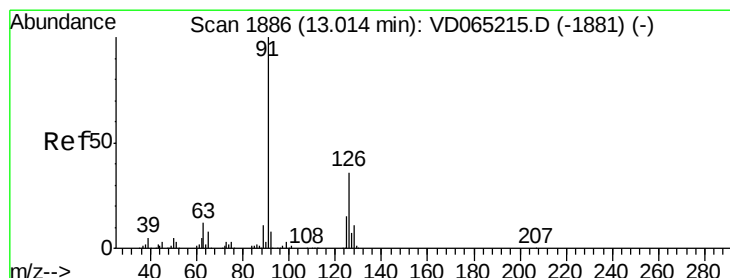
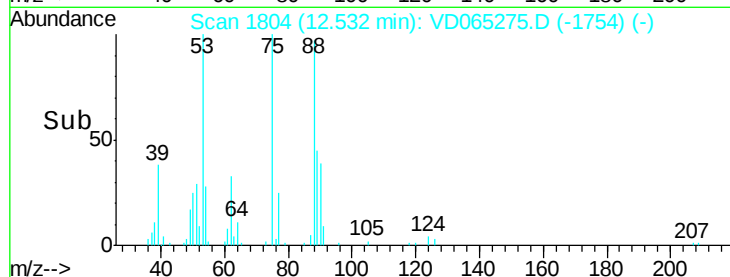
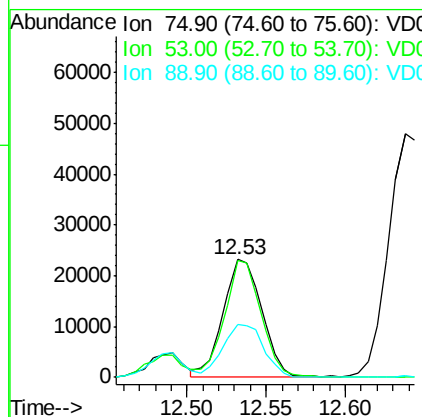
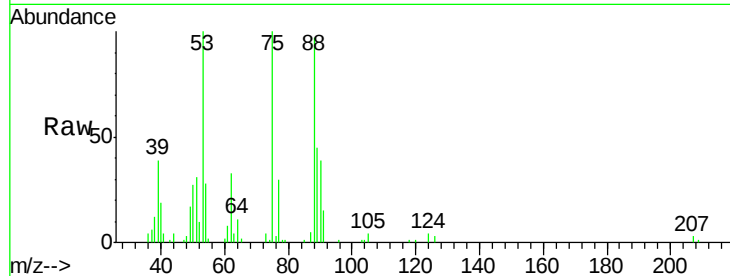
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	75	Resp:	39701
Ion	Ratio	Lower	Upper
75	100		
53	91.5	77.6	116.4
89	46.1	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#82

4-Chlorotoluene

Concen: 55.542 ug/l

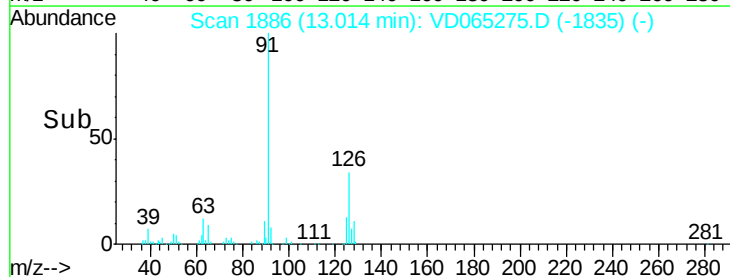
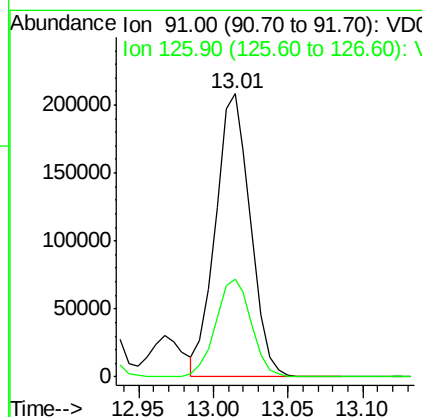
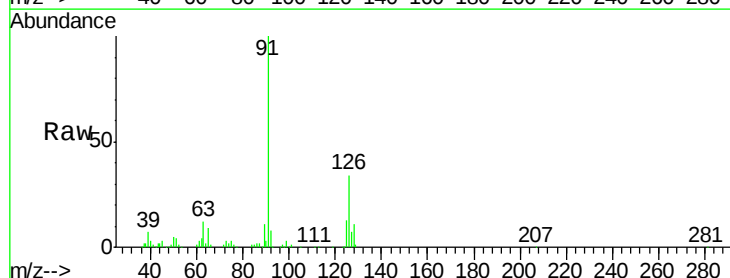
RT: 13.01 min Scan# 1886

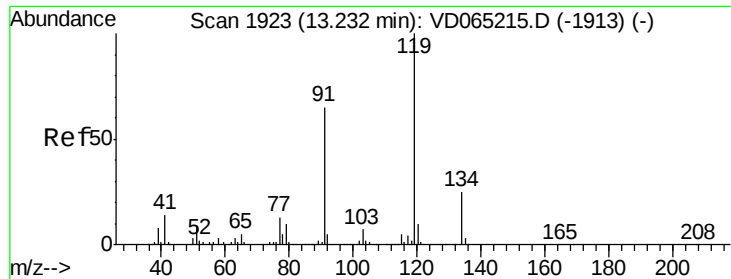
Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Tgt Ion:	91	Resp:	339725
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.4	52.3





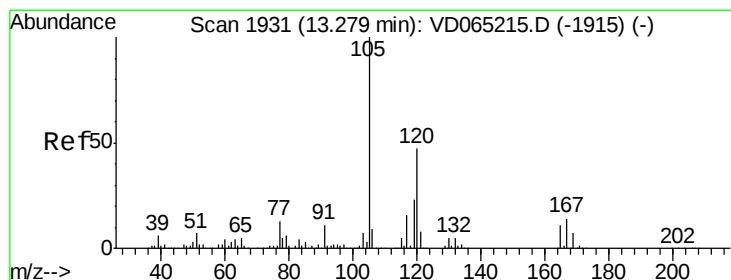
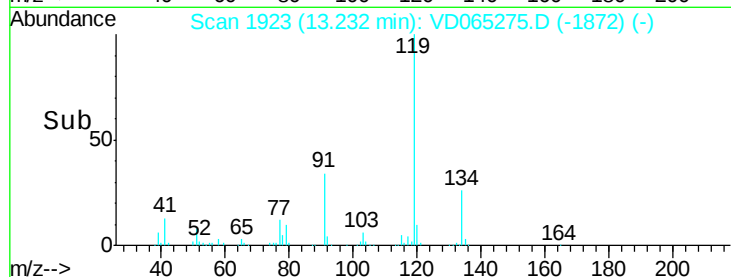
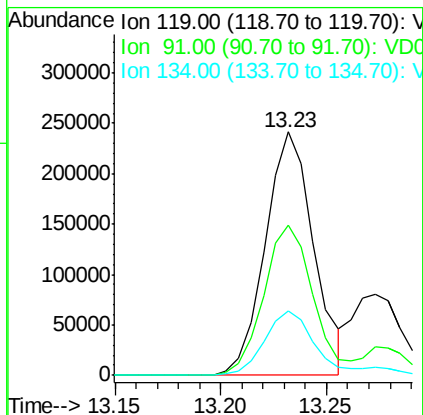
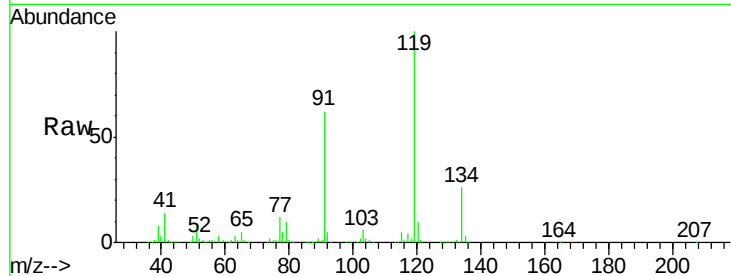
#83
tert-Butylbenzene
Concen: 65.082 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.9	95.5
134	26.6	13.8	41.3

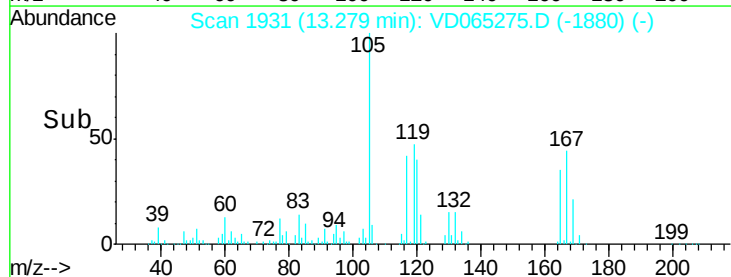
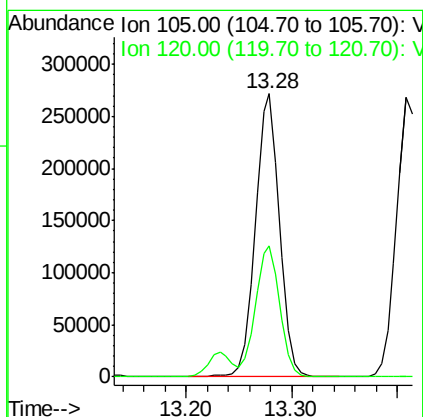
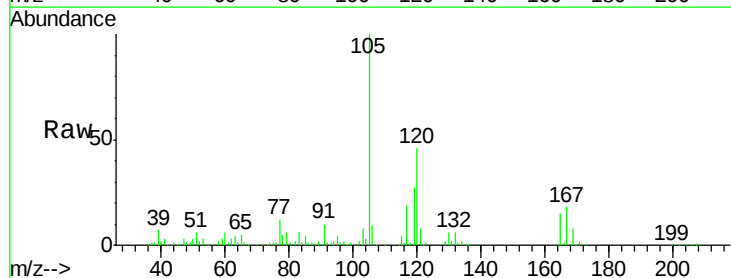
Manual Integrations
APPROVED

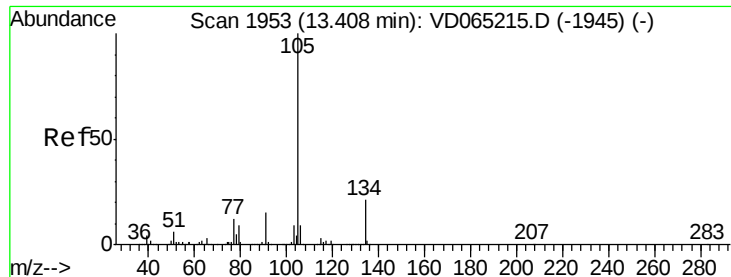
MMDadoda
2/24/2020 11:08:51 AM



#84
1,2,4-Trimethylbenzene
Concen: 61.299 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.9





#85

sec-Butylbenzene

Concen: 49.417 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:105 Resp: 420670

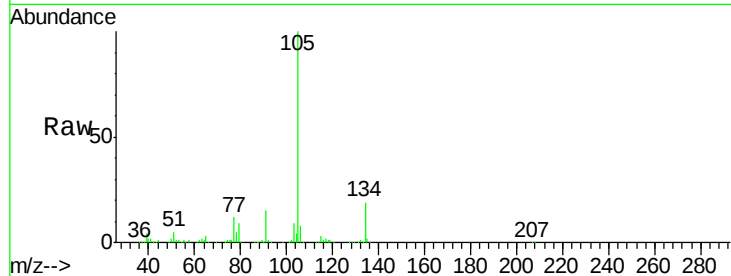
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.9

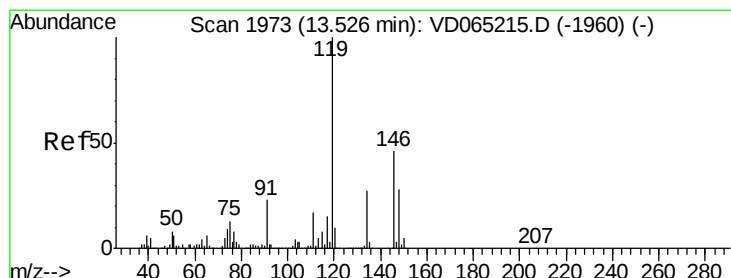
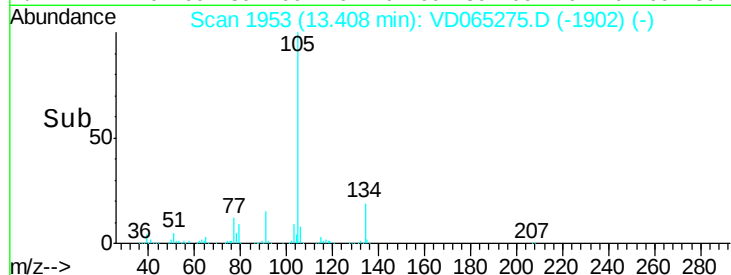
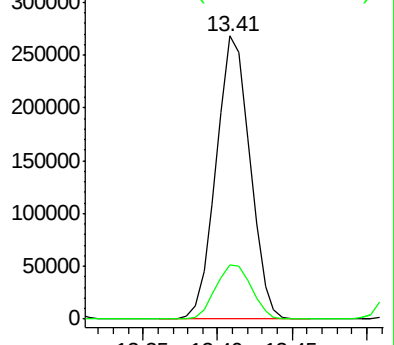
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.674 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065275.D

Acq: 21 Feb 2020 15:05

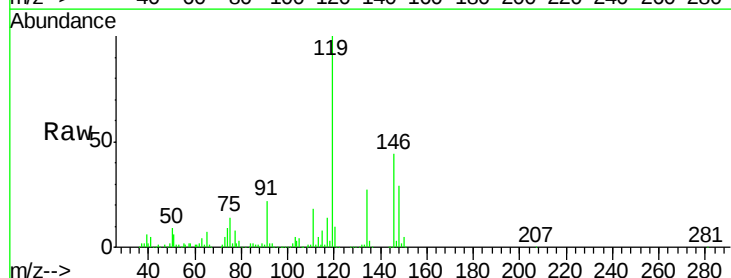
Tgt Ion:119 Resp: 371136

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

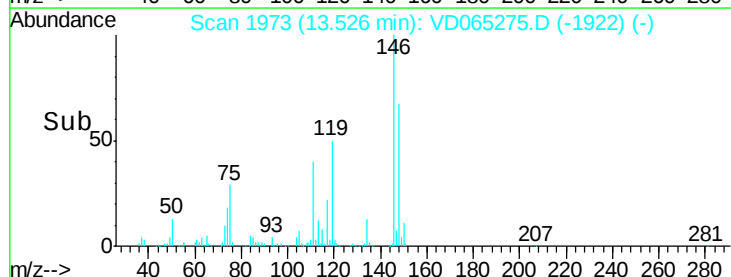
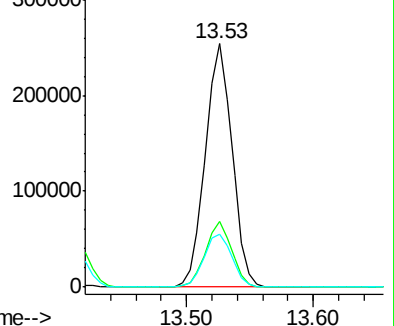
91 22.1 11.1 33.1

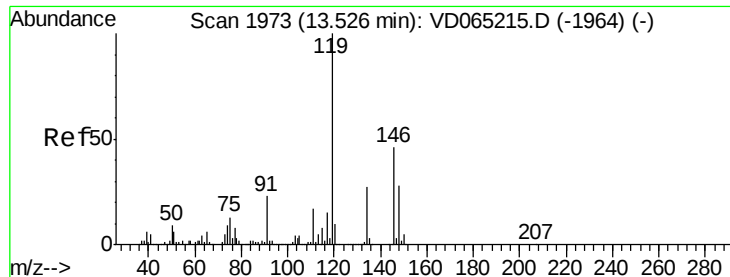


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





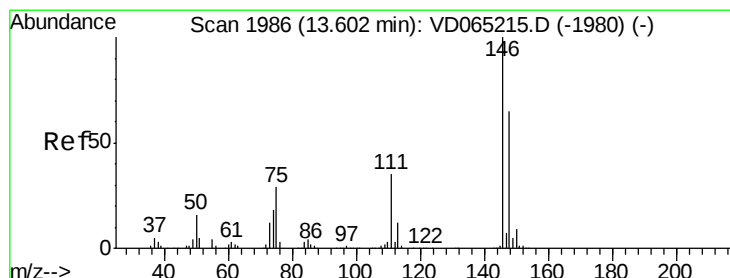
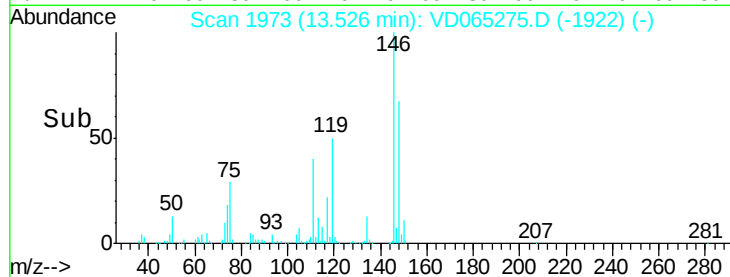
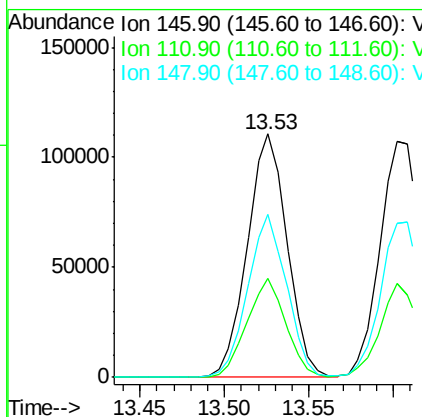
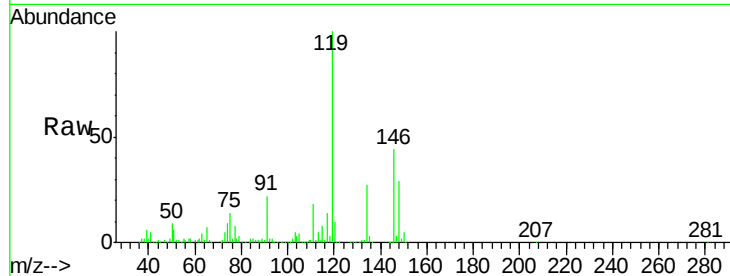
#87
 1,3-Dichlorobenzene
 Concen: 44.193 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.6	55.8
148	65.5	31.4	94.3

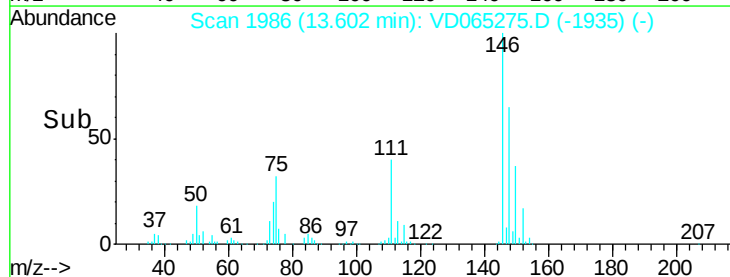
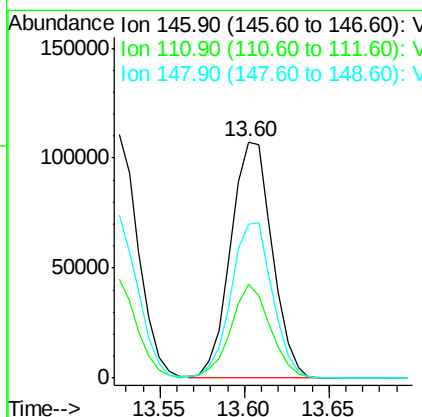
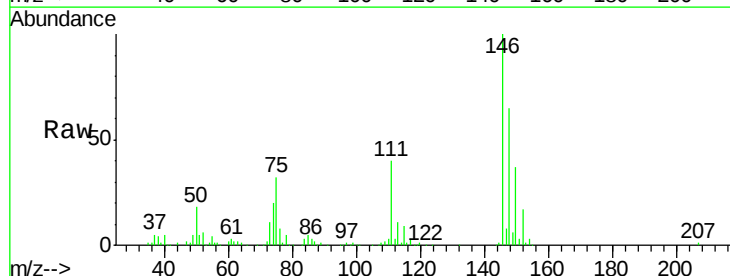
Manual Integrations
 APPROVED

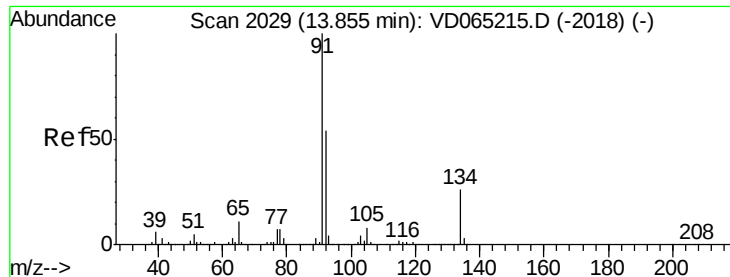
MMDadoda
 2/24/2020 11:08:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.201 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.2
148	65.7	32.1	96.5





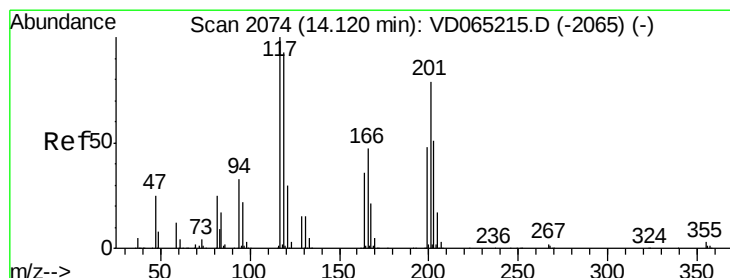
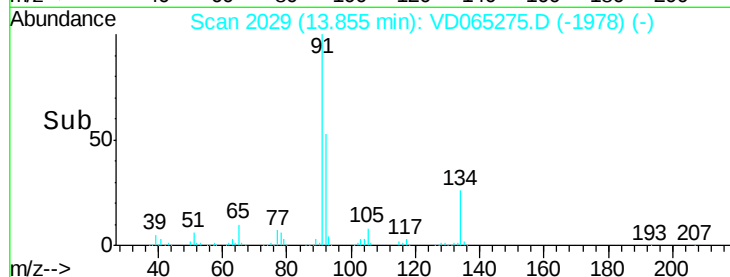
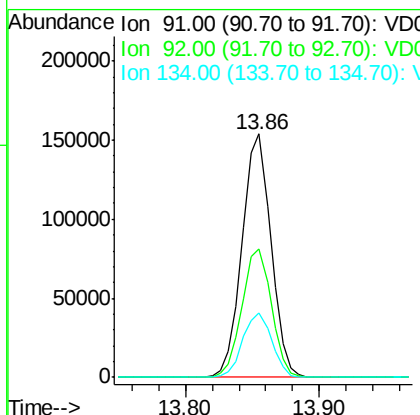
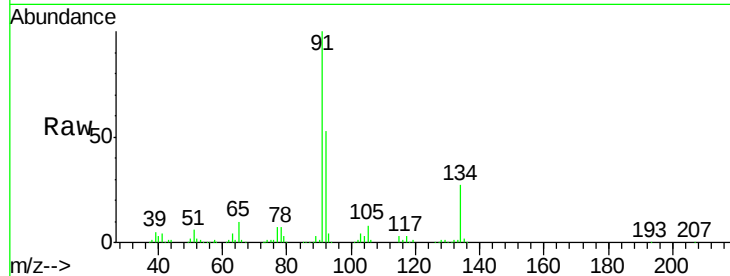
#89
n-Butylbenzene
Concen: 32.212 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	26.7	13.5	40.4

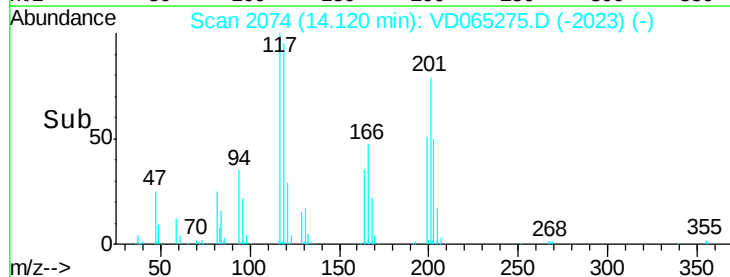
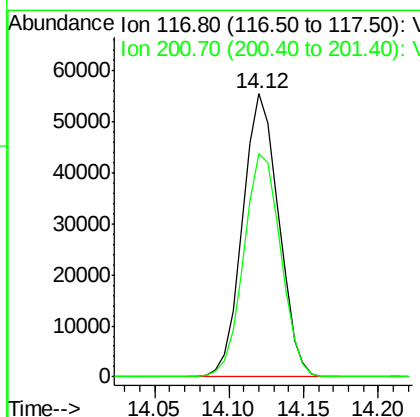
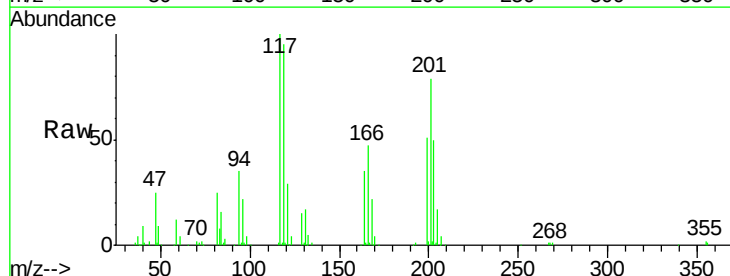
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#90
Hexachloroethane
Concen: 58.777 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	41.3	124.1





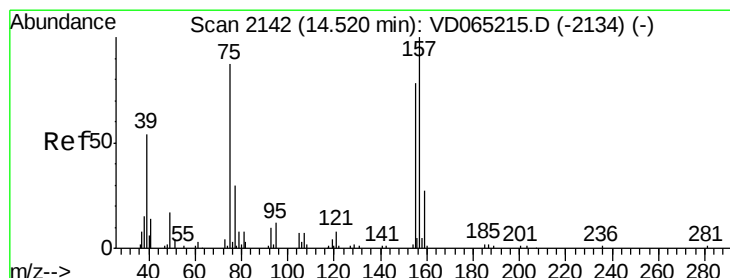
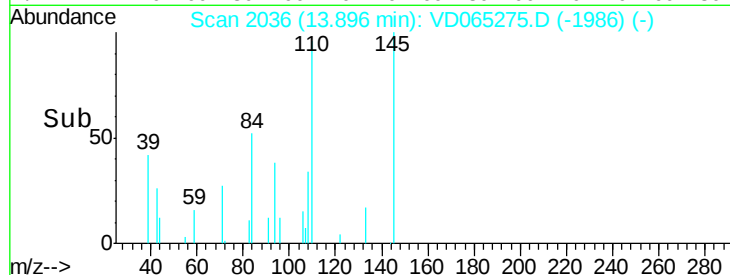
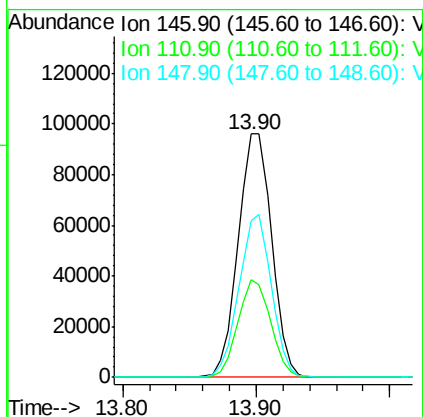
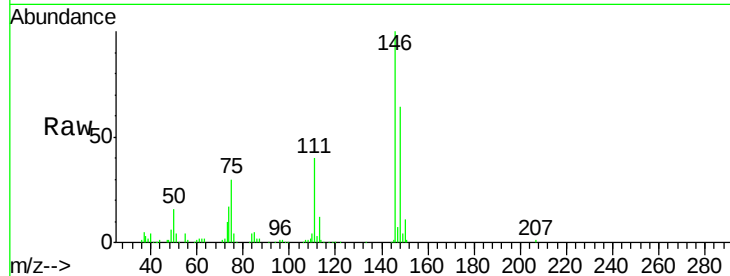
#91
 1,2-Dichlorobenzene
 Concen: 47.410 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.5	32.0	96.2

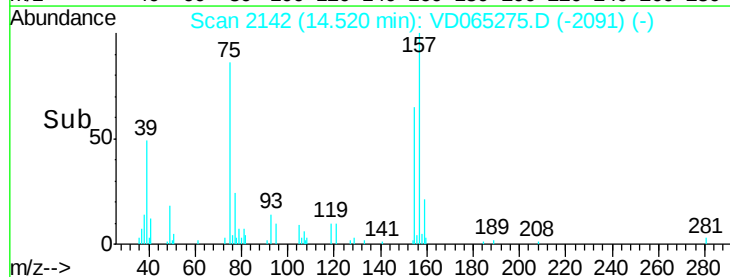
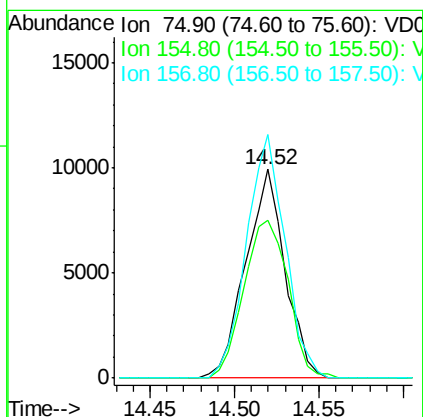
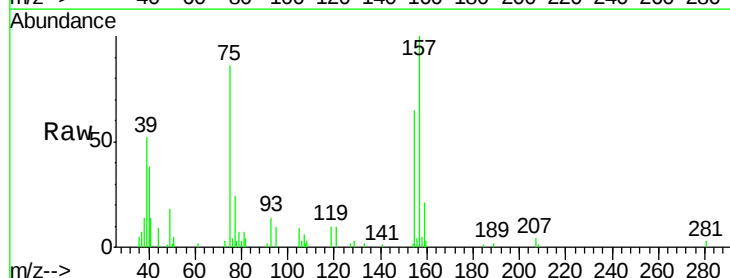
Manual Integrations
 APPROVED

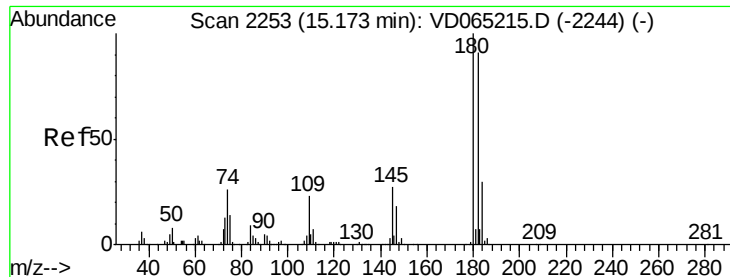
MMDadoda
 2/24/2020 11:08:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.594 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	42.3	126.9
157	114.6	56.7	170.1





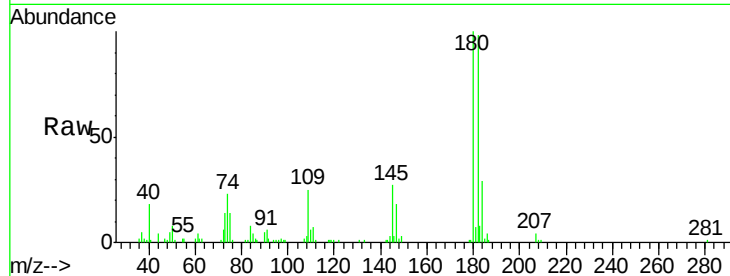
#93
 1,2,4-Trichlorobenzene
 Concen: 22.802 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

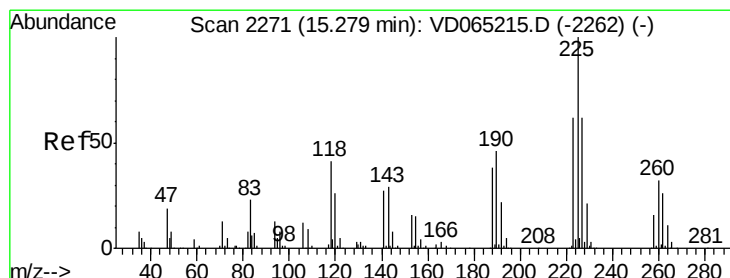
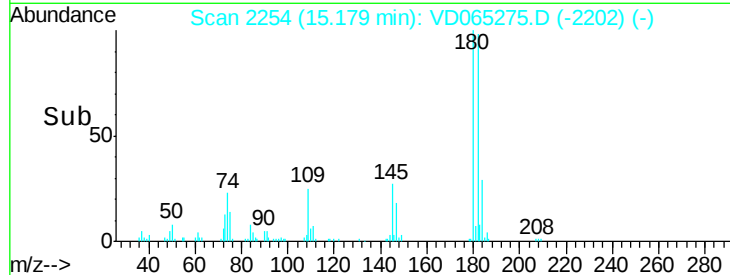
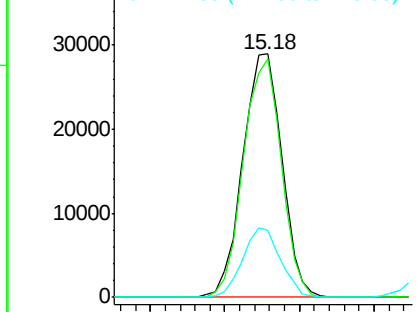
Tot Ion	Ratio	Resp	Lower	Upper
180	100	52614		
182	94.4	46.9	140.6	
145	27.6	13.9	41.7	

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:51 AM

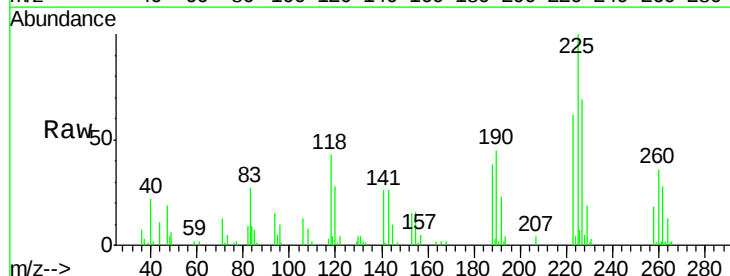


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

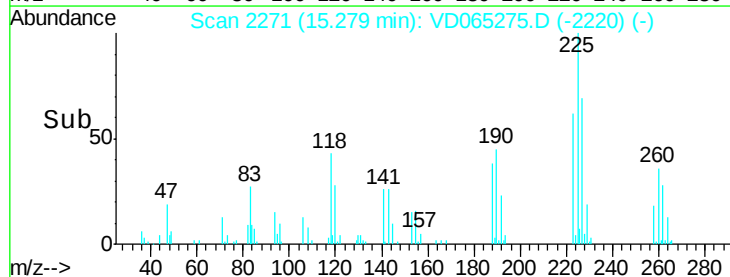
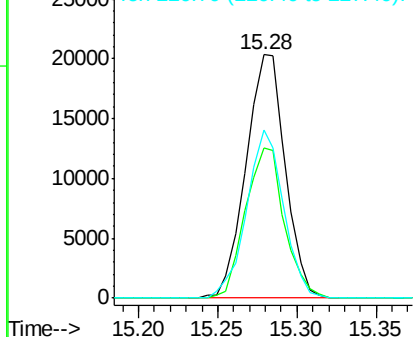


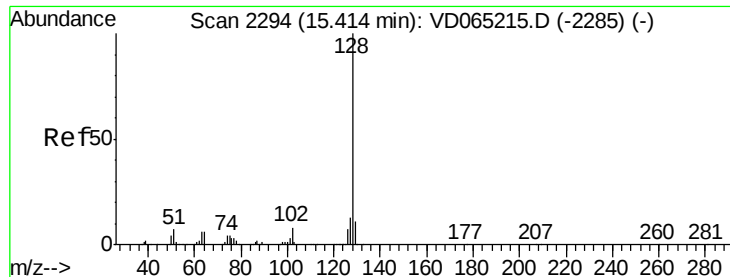
#94
 Hexachlorobutadiene
 Concen: 23.664 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065275.D
 Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35027		
223	61.2	31.4	94.2	
227	65.0	31.7	95.1	



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





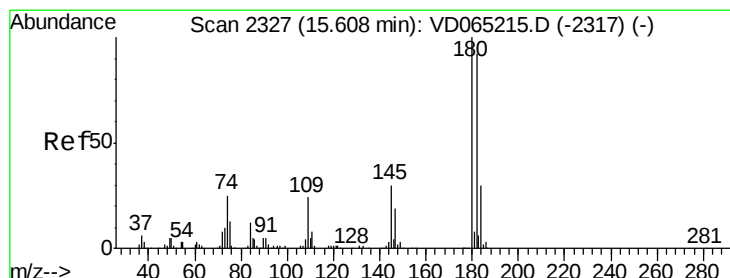
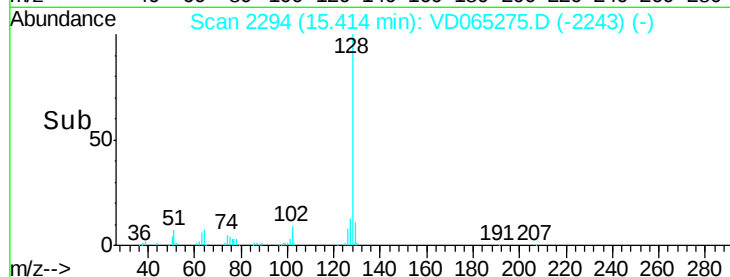
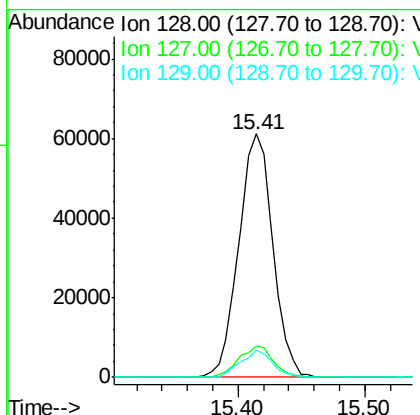
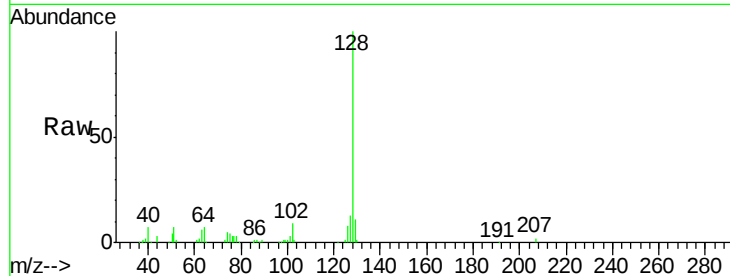
#95
Naphthalene
Concen: 30.410 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	114072		
127	13.2		10.3	15.5
129	10.5		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.794 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065275.D
Acq: 21 Feb 2020 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41905		
182	100.7		46.9	140.6
145	32.4		15.4	46.1

