LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Title : SW846 8260

Signal : TIC: VD071445.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.144	367	378	389	rBV4	32903	103780	3.35%	0.387%
2	4.961	503	517	530	rBV6	62525	242674	7.83%	0.905%
3	6.926	839	851	864	rBV2	78804	247758	8.00%	0.924%
4	7.732	978	988	996	rVB6	12158	39916	1.29%	0.149%
5	7.914	1009	1019	1024	rBV	394111	935502	30.19%	3.489%
6	7.973	1024	1029	1037	rVV	668343	1492408	48.16%	5.566%
7	8.061	1037	1044	1059	rVB3	194493	503023	16.23%	1.876%
8	8.326	1081	1089	1101	rVB	367074	831449	26.83%	3.101%
9	8.444	1101	1109	1110	rVV4	22850	37675	1.22%	0.141%
10	8.502	1110	1119	1129	rVV	770995	1850832	59.73%	6.903%
11	8.602	1129	1136	1145	rVB6	23346	57432	1.85%	0.214%
12	8.861	1171	1180	1192	rBV	1062971	2105806	67.96%	7.854%
13	9.349	1248	1263	1268	rBV2	189413	460976	14.88%	1.719%
14	9.402	1268	1272	1280	rVV2	105206	195450	6.31%	0.729%
15	9.485	1280	1286	1294	rVV2	67381	138445	4.47%	0.516%
16	9.626	1299	1310	1318	rVV2	98037	233831	7.55%	0.872%
17	9.773	1326	1335	1346	rBV	681243	1389092	44.83%	5.181%
18	9.908	1348	1358	1365	rBV	738697	1500885	48.44%	5.598%
19	10.096	1382	1390	1396	rBV2	76899	160572	5.18%	0.599%
20	10.261	1407	1418	1424	rBV2	324077	622635	20.09%	2.322%
21	10.332	1424	1430	1443	rVB	1655334	3098714	100.00%	11.557%
22	10.514	1452	1461	1468	rBV7	35386	97561	3.15%	0.364%
23	10.620	1471	1479	1483	rVV6	23738	57296	1.85%	0.214%
24	10.673	1483	1488	1497	rVV4	67661	153215	4.94%	0.571%
25	10.779	1497	1506	1514	rVV7	123656	352120	11.36%	1.313%
26	10.855	1516	1519	1525	rVB5	24661	41111	1.33%	0.153%
27	11.008	1539	1545	1547	rBV4	24101	43900	1.42%	0.164%
28	11.043	1548	1551	1556	rVB2	35880	57301	1.85%	0.214%
29	11.155	1562	1570	1575	rBV3	49106	89649	2.89%	0.334%
30	11.214	1575	1580	1581	rBV3	24351	36944	1.19%	0.138%
31	11.232	1581	1583	1589	rVV7	27450	55332	1.79%	0.206%
32	11.296	1589	1594	1598	rVV4	51189	102207	3.30%	0.381%
33	11.343	1599	1602	1606	rVB6	24364	35401	1.14%	0.132%
34	11.443	1613	1619	1628	rVB5	57657	144623	4.67%	0.539%
35	11.637	1645	1652	1661	rBV	1481532	2532859	81.74%	9.447%
36	11.773	1672	1675	1680	rVB3	39547	58188	1.88%	0.217%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Title : SW846 8260

37	11.885	1687	1694	1703	rVB6	41540	116204	3.75%	0.433%
38	12.085	1724	1728	1733	rVV3	24754	42845	1.38%	0.160%
39	12.149	1733	1739	1747	rVV6	37576	99777	3.22%	0.372%
40	12.302	1758	1765	1767	rBV7	20000	34457	1.11%	0.129%
41	12.343	1767	1772	1776	rVB5	26473	55750	1.80%	0.208%
42	12.420	1782	1785	1790	rBV7	17162	35788	1.15%	0.133%
43	12.626	1807	1820	1827	rBV	1121395	1928745	62.24%	7.194%
44	12.708	1829	1834	1839	rVV4	26396	53071	1.71%	0.198%
45	12.784	1840	1847	1855	rVB4	21881	65119	2.10%	0.243%
46	12.949	1864	1875	1881	rVB4	13901	45123	1.46%	0.168%
47	13.561	1970	1979	1987	rBV	1328095	2208071	71.26%	8.235%
48	13.726	2001	2007	2016	rVV	574730	880473	28.41%	3.284%
49	13.808	2016	2021	2030	rVV2	116878	191903	6.19%	0.716%
50	13.884	2030	2034	2042	rVB10	20221	38330	1.24%	0.143%
51	14.037	2054	2060	2065	rBV2	81317	137935	4.45%	0.514%
52	14.190	2081	2086	2095	rVV3	33230	63856	2.06%	0.238%
53	14.290	2095	2103	2109	rVV9	29504	77972	2.52%	0.291%
54	14.349	2110	2113	2117	rVV3	28659	47495	1.53%	0.177%
55	14.396	2117	2121	2130	rVV8	25706	58216	1.88%	0.217%
56	14.508	2134	2140	2144	rVV	106387	175624	5.67%	0.655%
57	14.537	2144	2145	2151	rVV2	39074	57435	1.85%	0.214%
58	14.614	2152	2158	2163	rVB3	23673	42666	1.38%	0.159%
59	14.708	2168	2174	2181	rBV2	52770	88154	2.84%	0.329%
60	15.155	2242	2250	2259	rVB3	28377	70319	2.27%	0.262%
61	15.343	2276	2282	2293	rVB8	21501	41048	1.32%	0.153%
62	15.978	2384	2390	2398	rBV3	22661	48898	1.58%	0.182%

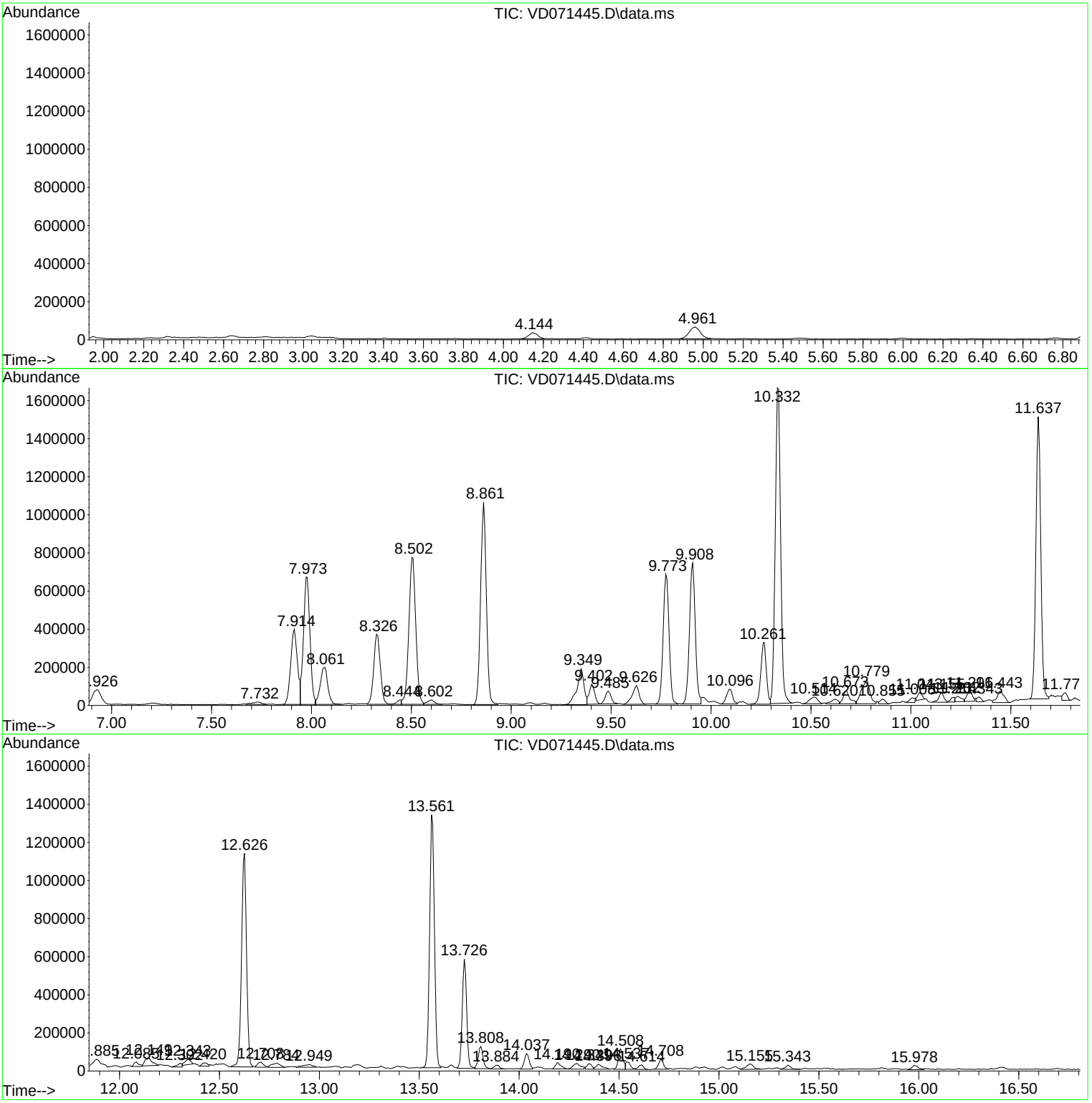
Sum of corrected areas: 26811836

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

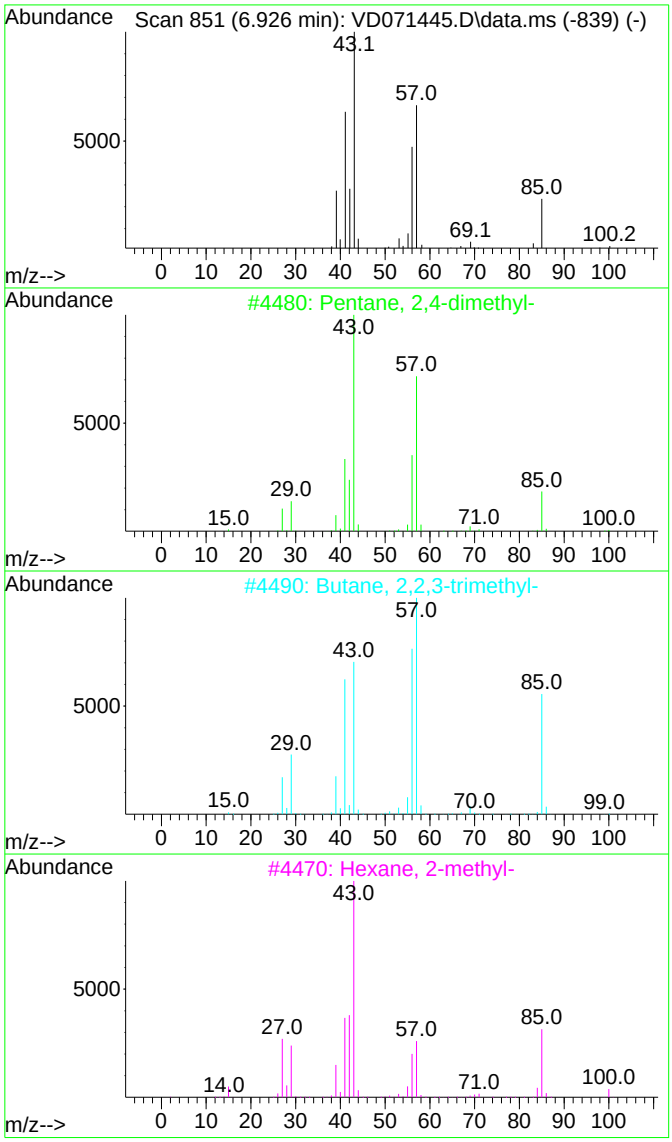
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

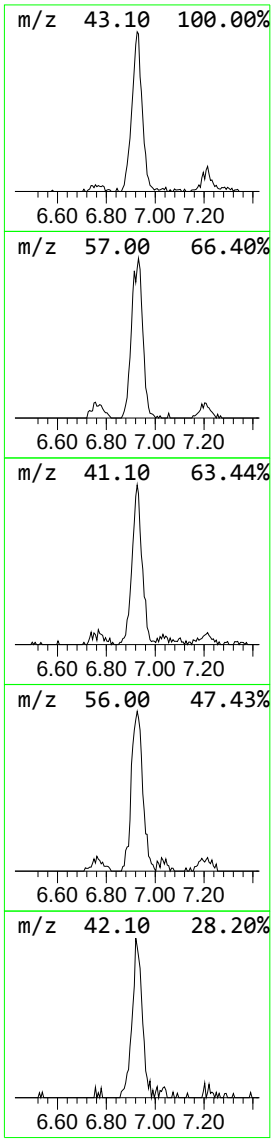
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.926	8.30 ug/l	247758	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	47
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	40
5	N-Vinylacetamide	85	C4H7NO	005202-78-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

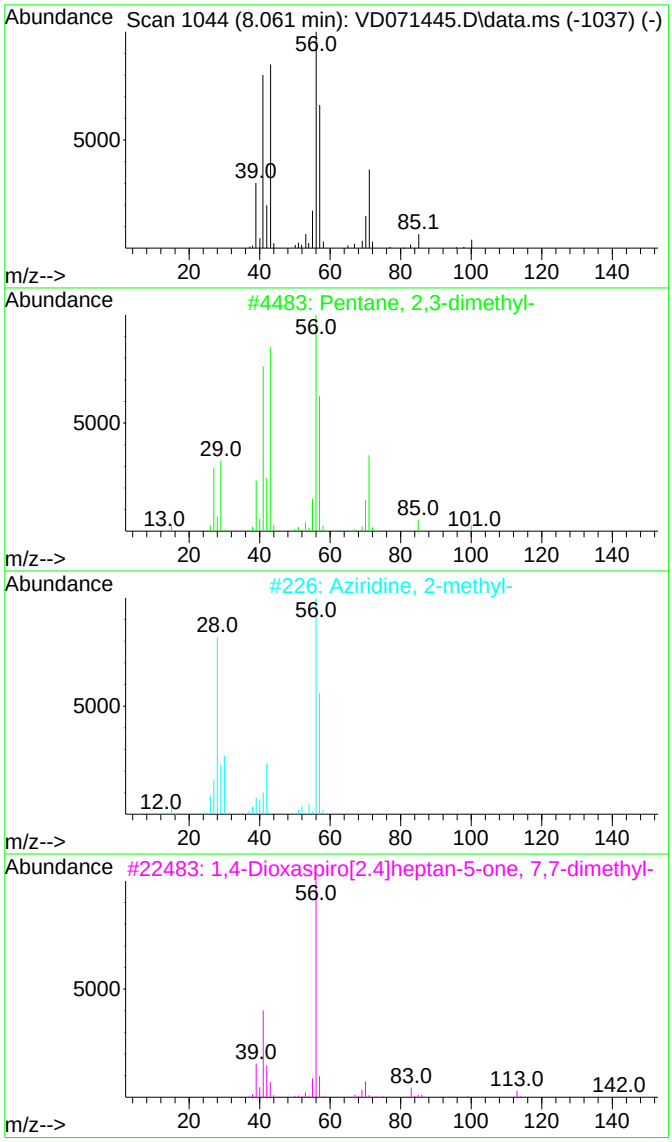
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

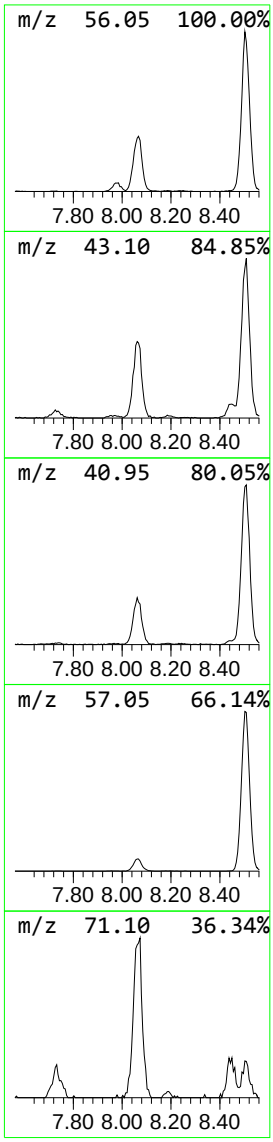
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.061	16.85 ug/l	503023	Pentafluorobenzene	7.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	46
3	1,4-Dioxaspiro[2.4]heptan-5-one,...	142	C7H10O3	126091-79-0	40
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	38
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

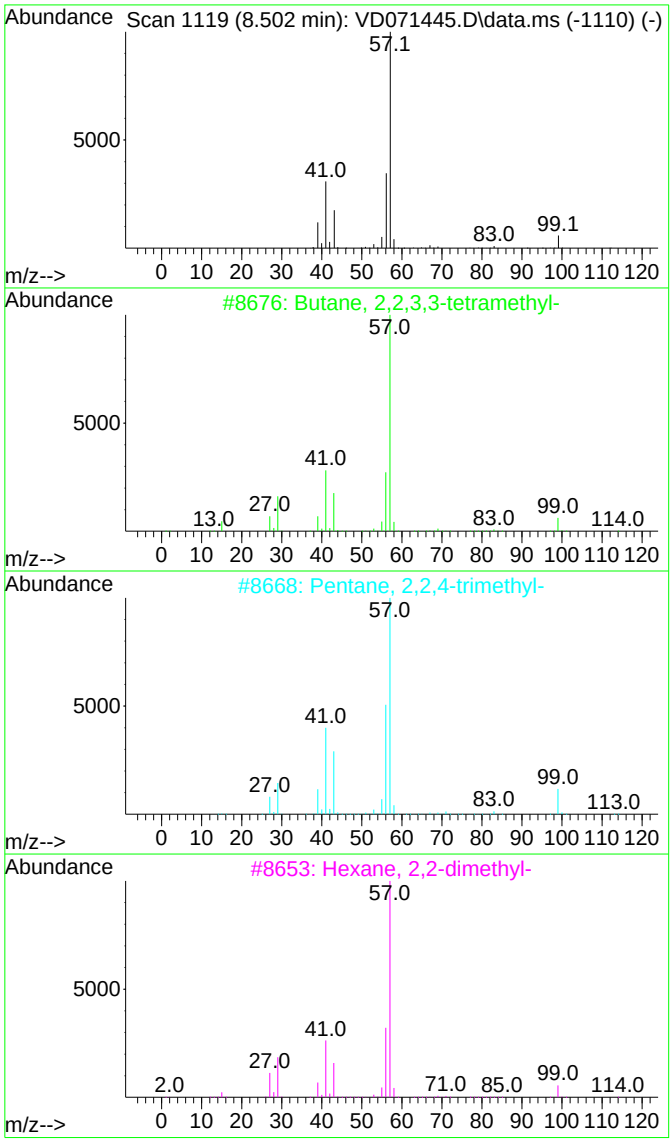
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

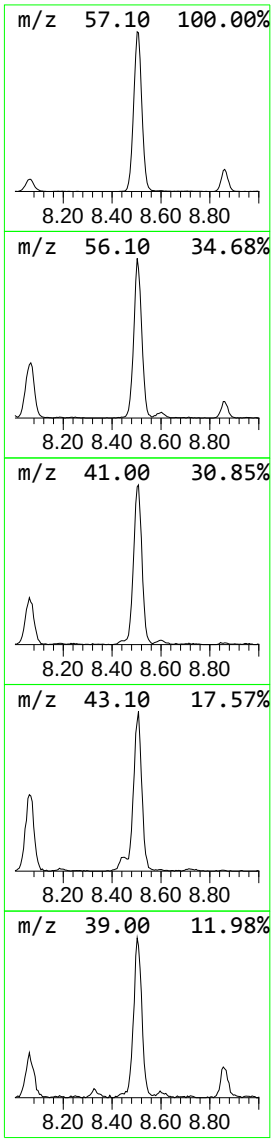
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.502	43.95 ug/l	1850830	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

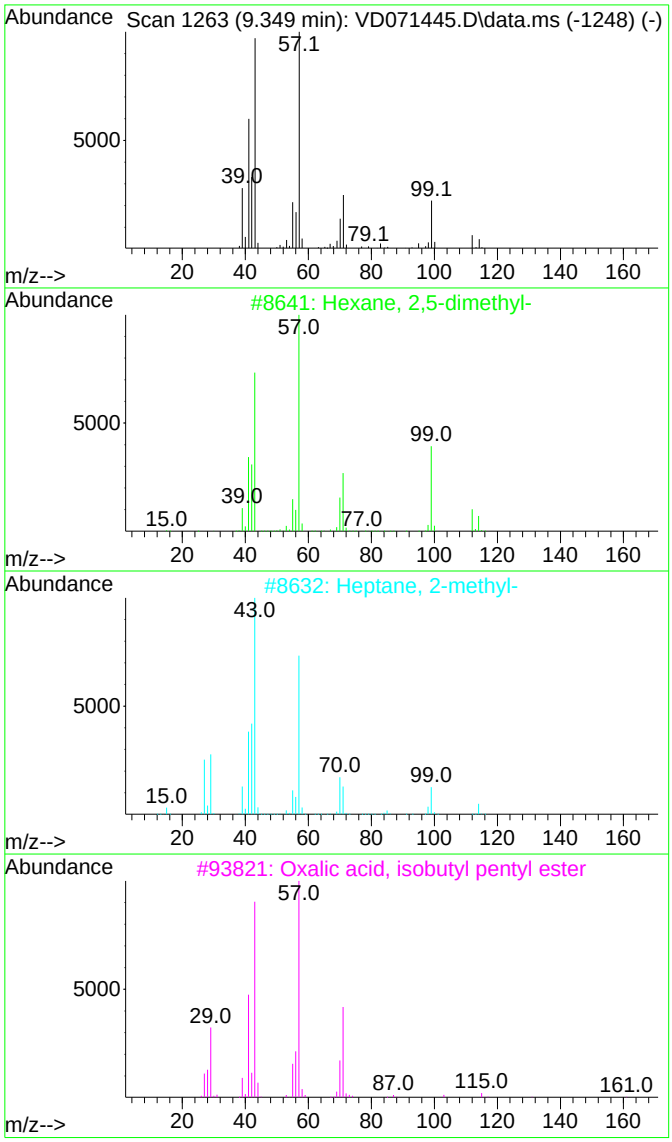
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

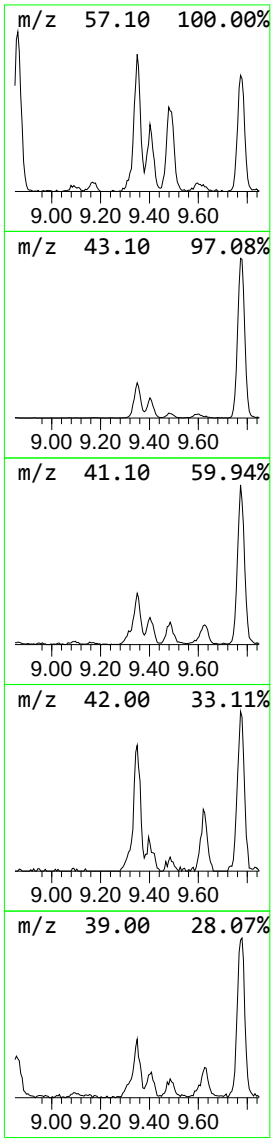
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexane, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.349	10.95 ug/l	460976	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	53
3	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	50
4	Oxalic acid, heptyl propyl ester	230	C12H22O4	1000309-26-0	43
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

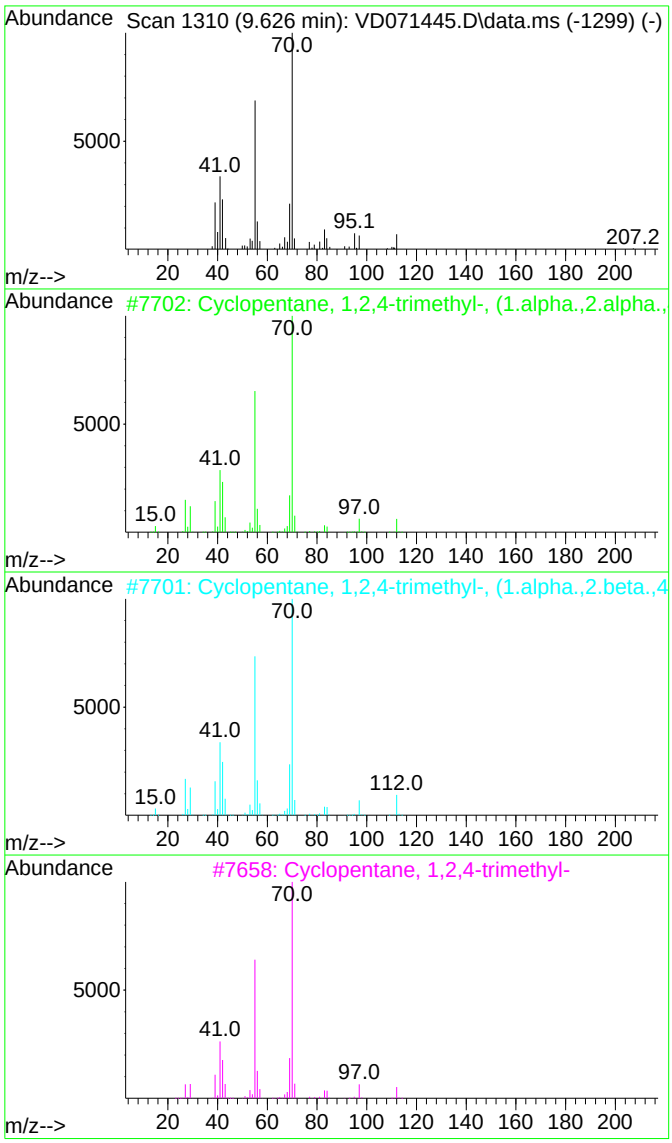
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

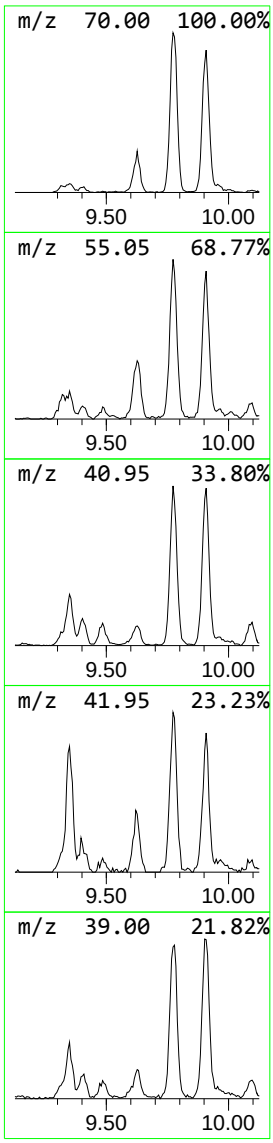
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopentane, 1,2,4-trimeth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.626	5.55 ug/l	233831	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	81
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80
5	Nonane, 3-methylene-	140	C10H20	051655-64-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

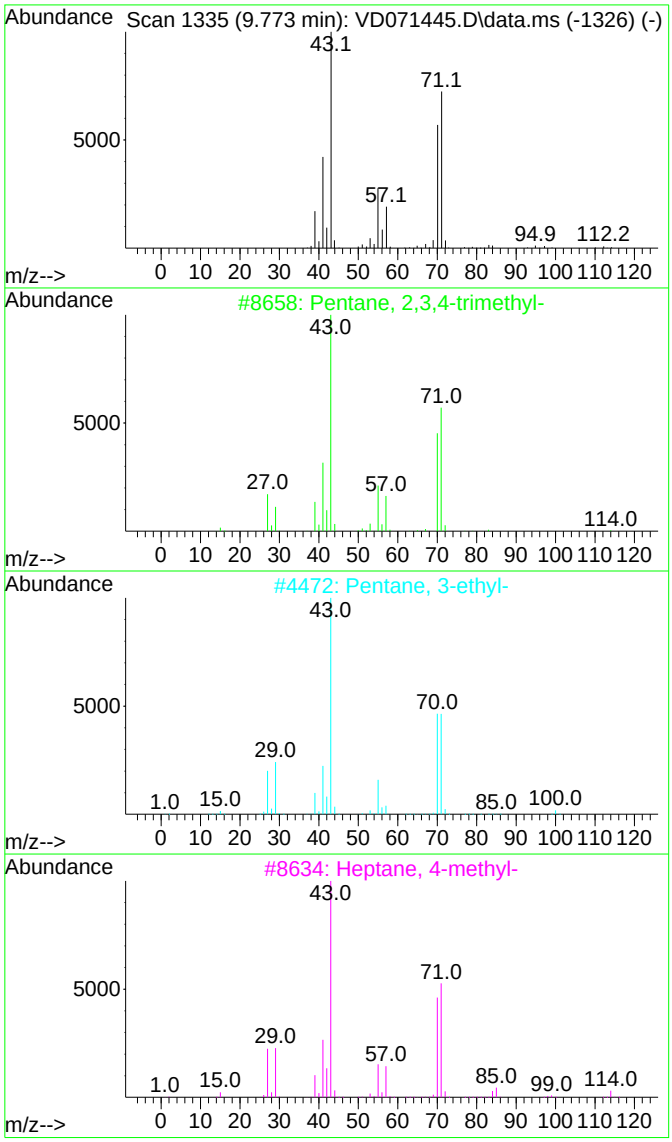
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

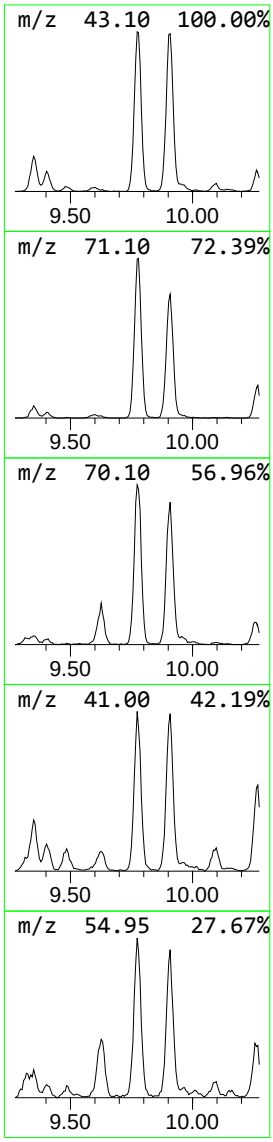
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.773	32.98 ug/l	1389090	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
5	Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

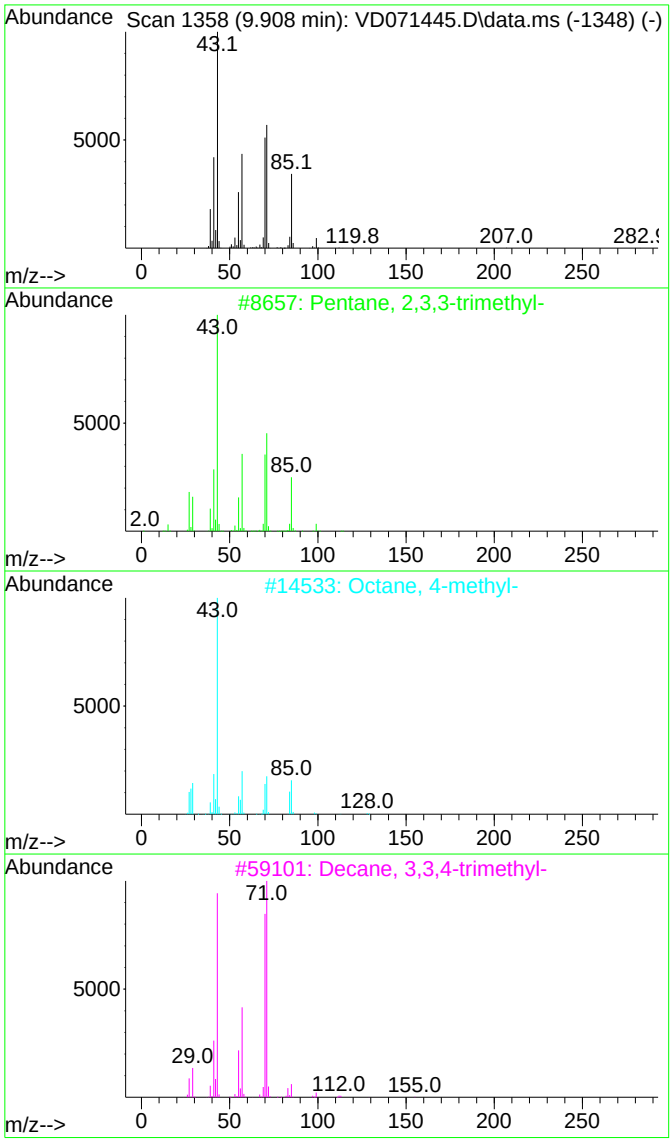
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

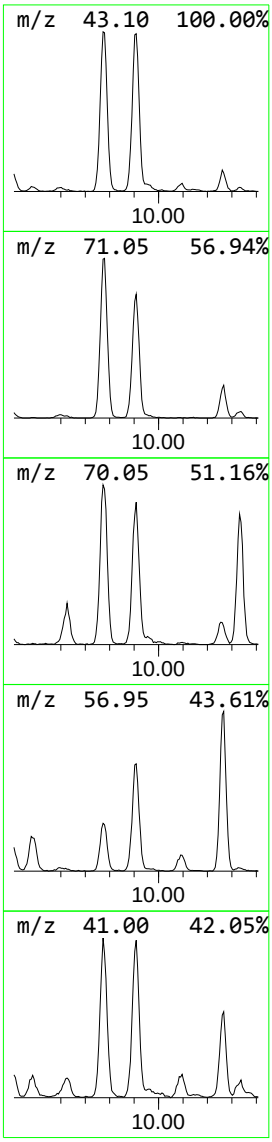
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.908	35.64 ug/l	1500890	1,4-Difluorobenzene	8.861

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Octane, 4-methyl-	128	C9H20	002216-34-4	72
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

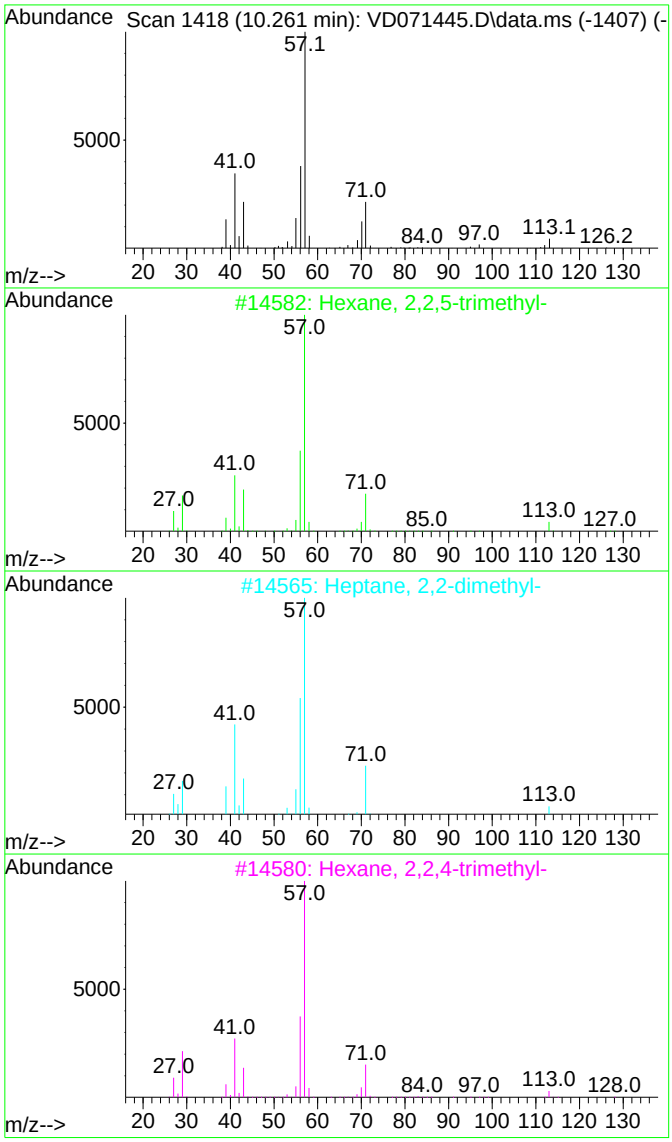
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

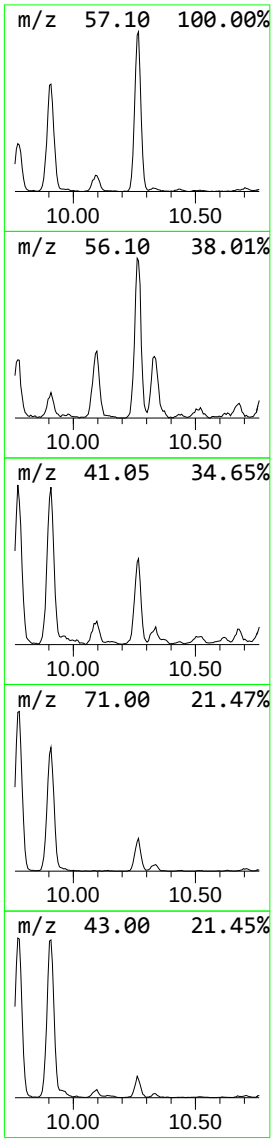
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexane, 2,2,5-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.261	12.29 ug/l	622635	Chlorobenzene-d5	11.637

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	56
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

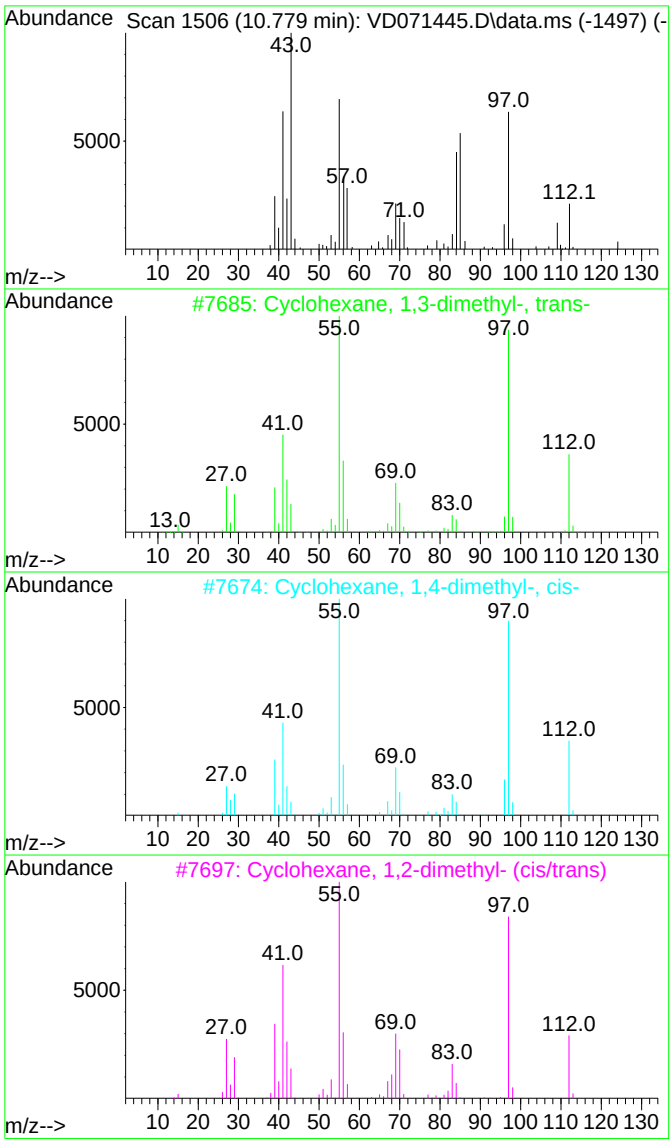
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

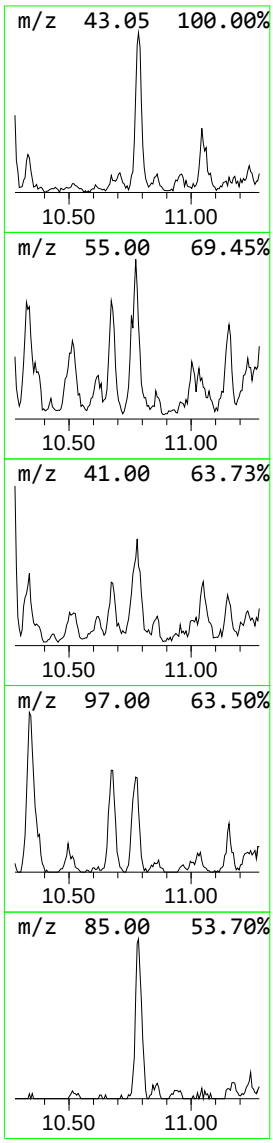
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.779	6.95 ug/l	352120	Chlorobenzene-d5	11.637

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	46
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	43
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	38
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

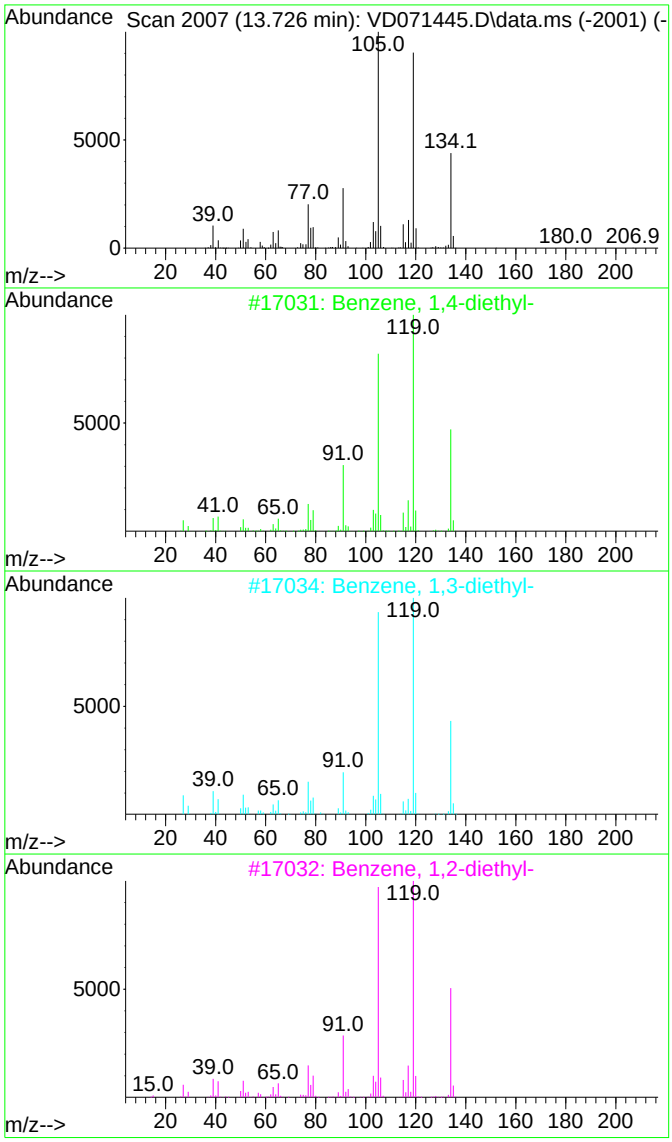
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

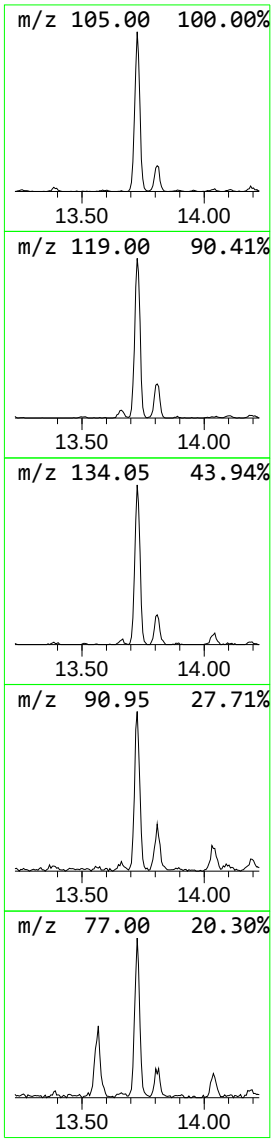
****

Peak Number 11 Benzene, 1,4-diethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.726	19.94 ug/l	880473	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122321\
Data File : VD071445.D
Acq On : 23 Dec 2021 16:17
Operator : VA/SY
Sample : M5044-09
Misc : 6.49G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DA-9-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2,4-di...	6.926	8.3	ug/l	247758	1	7.979	1492410	50.0
Pentane, 2,3-di...	8.061	16.9	ug/l	503023	1	7.979	1492410	50.0
Butane, 2,2,3,3...	8.502	44.0	ug/l	1850830	2	8.861	2105810	50.0
Hexane, 2,5-dim...	9.349	10.9	ug/l	460976	2	8.861	2105810	50.0
Cyclopentane, 1...	9.626	5.5	ug/l	233831	2	8.861	2105810	50.0
Pentane, 2,3,4-...	9.773	33.0	ug/l	1389090	2	8.861	2105810	50.0
Pentane, 2,3,3-...	9.908	35.6	ug/l	1500890	2	8.861	2105810	50.0
Hexane, 2,2,5-t...	10.261	12.3	ug/l	622635	3	11.637	2532860	50.0
Cyclohexane, 1,...	10.779	7.0	ug/l	352120	3	11.637	2532860	50.0
Benzene, 1,4-di...	13.726	19.9	ug/l	880473	4	13.561	2208070	50.0